

X. Wang and H.L. Dai	167	Dynamic response of a single-wall carbon nanotube subjected to impact
Z. Zhou, D. Wan, X. Dou, L. Song, W. Zhou and S. Xie	170	Postgrowth alignment of SWNTs by an electric field
A.F. Pérez-Cadenas, M.M.P. Zieverink, F. Kapteijn and J.A. Moulijn	173	Selective hydrogenation of fatty acid methyl esters on palladium catalysts supported on carbon-coated monoliths
Y. Li, K. Wang, J. Wei, Z. Gu, Q. Shu, C. Li, W. Wang, Z. Wang, J. Luo and D. Wu	176	Improving tensile properties of double-walled carbon nanotube strands by intercalation of epoxy resin
X. Ma, F. Xu, Y. Du, L. Chen and Z. Zhang	179	Copper substrate-assisted growth of ellipsoidal carbon microparticles
A.Y. Khan and D.W. Mazzyck	182	The effect of UV irradiation on adsorption by activated carbon/TiO ₂ composites
X. Liu, F. Chang, L. Xu, Y. Yang, Y. He and Z. Liu	184	Synthesis and characterization of a new nanoporous carbon material with a bimodal pore system
W.M. Qiao, Y. Song, S.Y. Lim, S.H. Hong, S.H. Yoon, I. Mochida and T. Imaoka	187	Carbon nanospheres produced in an arc-discharge process
J. Shen, J. Li, Q. Chen, T. Luo, W. Yu and Y. Qian	190	Synthesis of multi-shell carbon microspheres

Number 2

Y. Kikuchi, Q. Qian, M. Machida and H. Tatsumoto	195	Effect of ZnO loading to activated carbon on Pb(II) adsorption from aqueous solution
H. Zheng, K. Jiang, T. Abe and Z. Ogumi	203	Electrochemical intercalation of lithium into a natural graphite anode in quaternary ammonium-based ionic liquid electrolytes
M. Han, W. Zhang, C. Gao, Y. Liang, Z. Xu, J. Zhu and J. He	211	Hollow nickel microspheres covered with oriented carbon nanotubes and its magnetic property
W. Xing, S.Z. Qiao, R.G. Ding, F. Li, G.Q. Lu, Z.F. Yan and H.M. Cheng	216	Superior electric double layer capacitors using ordered mesoporous carbons
Z. Chen, P.K. Bachmann, D. den Engelsen, I. Koehler and D.U. Wiechert	225	Fabrication and characterization of carbon nanotube arrays using sandwich catalyst stacks
N. Ooi, A. Rairkar and J.B. Adams	231	Density functional study of graphite bulk and surface properties
W.F. Edwards and M.C. Thies	243	Fractionation of pitches by molecular weight using continuous and semibatch dense-gas extraction
L. Zhu, J. Xu, Y. Xiu, Y. Sun, D.W. Hess and C.P. Wong	253	Growth and electrical characterization of high-aspect-ratio carbon nanotube arrays
S. Cahen, R. Vangelisti and C. Bellouard	259	Structural and magnetic properties of a stage-2 HoCl ₃ -graphite intercalation compound
C.P. Deck and K. Vecchio	267	Prediction of carbon nanotube growth success by the analysis of carbon-catalyst binary phase diagrams
M. Zhang, L. Su and L. Mao	276	Surfactant functionalization of carbon nanotubes (CNTs) for layer-by-layer assembling of CNT multi-layer films and fabrication of gold nanoparticle/CNT nanohybrid
K.M. Chion Jones, W. Ho, B. Fathollahi, P.C. Chau, P.G. Wapner and W.P. Hoffman	284	Microstructural analysis of in situ mesophase transformation in the fabrication of carbon-carbon composites
C. Norfolk, A. Mukasyan, D. Hayes, P. McGinn and A. Varma	293	Processing of mesocarbon microbeads to high-performance materials: Part II. Reaction bonding by in situ silicon carbide and nitride formation

C. Norfolk, A. Kaufmann, A. Mukasyan and A. Varma	301	Processing of mesocarbon microbeads to high-performance materials: Part III. High-temperature sintering and graphitization
A. Messerer, R. Niessner and U. Pöschl	307	Comprehensive kinetic characterization of the oxidation and gasification of model and real diesel soot by nitrogen oxides and oxygen under engine exhaust conditions: Measurement, Langmuir-Hinshelwood, and Arrhenius parameters
X. Zhang, M. Zhou and L. Lei	325	TiO ₂ photocatalyst deposition by MOCVD on activated carbon
S. Shekhar, V. Prasad and S.V. Subramanyam	334	Transport properties of conducting amorphous carbon-poly(vinyl chloride) composite
R.J. Andrews, C.F. Smith and A.J. Alexander	341	Mechanism of carbon nanotube growth from camphor and camphor analogs by chemical vapor deposition
A.J. Hart, A.H. Slocum and L. Royer	348	Growth of conformal single-walled carbon nanotube films from Mo/Fe/Al ₂ O ₃ deposited by electron beam evaporation
B. Eksiöğlu and A. Nadarajah	360	Structural analysis of conical carbon nanofibers
J.B. Donnet, H. Oulanti, T. Le Huu and M. Schmitt	374	Synthesis of large single crystal diamond using combustion-flame method
		<i>Letters to the Editor</i>
Y. Liu, J. Tang, X. Chen, W. Chen, G.K.H. Pang and J.H. Xin	381	A wet-chemical route for the decoration of CNTs with silver nanoparticles
M. Lu, K.-t. Lau, W.-Y. Tam and K. Liao	383	Enhancement of Vicker's hardness of nanoclay-supported nanotube reinforced novel polymer composites
R. Liu, J. Yin and W. Li	387	Synthesis of glucocorticoid-C ₆₀ hybrids
P. Kim, J.B. Joo, W. Kim, S.K. Kang, I.K. Song and J. Yi	389	A novel method for the fabrication of ordered and three dimensionally interconnected macroporous carbon with mesoporosity
	393	Tanso—219 Abstracts

Number 3

Y.X. Ren, T.Y. Ng and K.M. Liew	397	State of hydrogen molecules confined in C ₆₀ fullerene and carbon nanocapsule structures
E. Garcia-Bordejé, M.J. Lázaro, R. Moliner, P.M. Álvarez, V. Gómez-Serrano and J.L.G. Fierro	407	Vanadium supported on carbon coated honeycomb monoliths for the selective catalytic reduction of NO at low temperatures: Influence of the oxidation pre-treatment
J. Zhang, X. Wang, W. Yang, W. Yu, T. Feng, Q. Li, X. Liu and C. Yang	418	Interaction between carbon nanotubes and substrate and its implication on field emission mechanism
N.J. Tang, W. Chen, W. Zhong, H.Y. Jiang, S.L. Huang and Y.W. Du	423	Highly stable carbon-coated Fe/SiO ₂ composites: Synthesis, structure and magnetic properties
C. Hu, Z. Chen, A. Shen, X. Shen, J. Li and S. Hu	428	Water-soluble single-walled carbon nanotubes via noncovalent functionalization by a rigid, planar and conjugated diazo dye
C.-K. Leong, Y. Aoyagi and D.D.L. Chung	435	Carbon black pastes as coatings for improving thermal gap-filling materials
A. Alonso, V. Ruiz, C. Blanco, R. Santamaria, M. Granda, R. Menéndez and S.G.E. de Jager	441	Activated carbon produced from Sasol-Lurgi gasifier pitch and its application as electrodes in supercapacitors
S.L. Lair, W.C. Herndon, L.E. Murr and S.A. Quinones	447	End cap nucleation of carbon nanotubes

Y. Wang, Y. Huang, B. Yang and R. Liu	456	Structural and electronic properties of carbon nanowires made of linear carbon chains enclosed inside zigzag carbon nanotubes
X. Xiong, B.-y. Huang, J.-h. Li and H.-j. Xu	463	Friction behaviors of carbon/carbon composites with different pyrolytic carbon textures
M. Sevilla and A.B. Fuertes	468	Catalytic graphitization of templated mesoporous carbons
Y. Zhang, J. Xu, C. Hao, Z. Shi and Z. Gu	475	Synthesis, isolation, spectroscopic and electrochemical characterization of some calcium-containing metallofullerenes
L.M. Manocha, A. Warriar, S. Manocha, D. Sathiyamoorthy and S. Banerjee	480	Thermophysical properties of densified pitch based carbon/carbon materials—I. Unidirectional composites
L.M. Manocha, A. Warriar, S. Manocha, D. Sathiyamoorthy and S. Banerjee	488	Thermophysical properties of densified pitch based carbon/carbon materials—II. Bidirectional composites
C.-Y. Shu, L.-H. Gan, C.-R. Wang, X.-l. Pei and H.-b. Han	496	Synthesis and characterization of a new water-soluble endohedral metallofullerene for MRI contrast agents
X. Zhang, H. Liu, T. Wang, A. Wang and K.L. Yeung	501	Modification of carbon membranes and preparation of carbon-zeolite composite membranes with zeolite growth
C.P. Chang, Y.C. Huang, C.L. Lu, J.H. Ho, T.S. Li and M.F. Lin	508	Electronic and optical properties of a nanographite ribbon in an electric field
H. Qiu, Z. Shi, L. Guan, L. You, M. Gao, S. Zhang, J. Qiu and Z. Gu	516	High-efficient synthesis of double-walled carbon nanotubes by arc discharge method using chloride as a promoter
H. Tabata, M. Fujii and S. Hayashi	522	Laser ablation of diamond particles suspended in ethanol: Effective formation of long polyynes
A. Vinu, K.Z. Hossain, G. Satish Kumar and K. Ariga	530	Adsorption of L-histidine over mesoporous carbon molecular sieves
T. Szabó, E. Tombácz, E. Illés and I. Dékány	537	Enhanced acidity and pH-dependent surface charge characterization of successively oxidized graphite oxides
H. Muckenhuber and H. Grothe	546	The heterogeneous reaction between soot and NO ₂ at elevated temperature
M.L. Kingsley and J.H. Davidson	560	Adsorption of toluene onto activated carbons exposed to 100ppb ozone
H. Pardo, R. Faccio, F.M. Araújo-Moreira, O.F. de Lima and A.W. Mombrú	565	Synthesis and characterization of stable room temperature bulk ferromagnetic graphite
F. Xu, X. Liu and S.D. Tse	570	Synthesis of carbon nanotubes on metal alloy substrates with voltage bias in methane inverse diffusion flames
K. Ohzeki, K. Seino, T. Kumagai, B. Golman and K. Shinohara	578	Characterization of packing structure of tape cast with non-spherical natural graphite particles
<i>Letters to the Editor</i>		
A. Arrais, E. Diana, D. Pezzini, R. Rossetti and E. Boccaleri	587	A fast effective route to pH-dependent water-dispersion of oxidized single-walled carbon nanotubes
A. Feaver and G. Cao	590	Activated carbon cryogels for low pressure methane storage
A. Garsuch, O. Klepel, R.R. Sattler, C. Berger, R. Gläser and J. Weitkamp	593	Synthesis of a carbon replica of zeolite Y with large crystallite size
L. Li, H. Song and X. Chen	596	Hollow carbon microspheres prepared from polystyrene microbeads
Y.-T. Liu, X.-M. Xie, Y.-F. Gao, Q.-P. Feng, L.-R. Guo, X.-H. Wang and X.-Y. Ye	599	Polymer-assisted assembly of carbon nanotubes via a template-based method

H.-J. Li, Q.-G. Fu, X.-H. Shi, K.-Z. Li and Z.-B. Hu	602	SiC whisker-toughened SiC oxidation protective coating for carbon/carbon composites
L. Lemus-Yegres, I. Such-Basáñez, C.S.-M. de Lecea, P. Serp and M.C. Román-Martínez	605	Exploiting the surface -OH groups on activated carbons and carbon nanotubes for the immobilization of a Rh complex
J. Chen, S.W. Lee and H. Grebel	608	Studies of single wall carbon nanotube growth in three-dimensional, ordered silica templates
Number 4		
	611	Obituary – Richard (Rick) Smalley
M. Wang, K.P. Pramoda and S.H. Goh	613	Enhancement of interfacial adhesion and dynamic mechanical properties of poly(methyl methacrylate)/multiwalled carbon nanotube composites with amine-terminated poly(ethylene oxide)
N.C. Gallego, T.D. Burchell and J.W. Klett	618	Irradiation effects on graphite foam
M.K. van der Lee, A.J. van Dillen, J.W. Geus, K.P. de Jong and J.H. Bitter	629	Catalytic growth of macroscopic carbon nanofiber bodies with high bulk density and high mechanical strength
M. Pérez-Mendoza, C. Schumacher, F. Suárez-García, M.C. Almazán-Almazán, M. Domingo-García, F.J. López-Garzón and N.A. Seaton	638	Analysis of the microporous texture of a glassy carbon by adsorption measurements and Monte Carlo simulation. Evolution with chemical and physical activation
T.X. Nguyen and S.K. Bhatia	646	Characterization of heat-treated porous carbons using argon adsorption
E.A. Ustinov, D.D. Do and V.B. Fenelonov	653	Pore size distribution analysis of activated carbons: Application of density functional theory using nongraphitized carbon black as a reference system
Y. Sato, H. Watano, R. Hagiwara and Y. Ito	664	Reaction of layered carbon fluorides C_xF ($x = 2.5-3.6$) and hydrogen
M.F. De Riccardis, D. Carbone, Th.D. Makris, R. Giorgi, N. Lisi and E. Salernitano	671	Anchorage of carbon nanotubes grown on carbon fibres
D. Wu, R. Fu, M.S. Dresselhaus and G. Dresselhaus	675	Fabrication and nano-structure control of carbon aerogels via a microemulsion-templated sol-gel polymerization method
H. Ono and A. Oya	682	Preparation of highly crystalline carbon nanofibers from pitch/polymer blend
Y. Chai, Q.F. Zhang and J.L. Wu	687	A simple way to CN_x /carbon nanotube intramolecular junctions and branches
Z. Zhang, J. Zhang, P. Chen, B. Zhang, J. He and G.-H. Hu	692	Enhanced interactions between multi-walled carbon nanotubes and polystyrene induced by melt mixing
H. Dwivedi, R.B. Mathur, T.L. Dhama, O.P. Bahl, M. Monthieux and S.P. Sharma	699	Evidence for the benefit of adding a carbon interphase in an all-carbon composite
Y.S. Song and J.R. Youn	710	Evaluation of effective thermal conductivity for carbon nanotube/polymer composites using control volume finite element method
M. Wienecke, M.-C. Bunesco, K. Deistung, P. Fedtke and E. Borchardt	718	MWCNT coatings obtained by thermal CVD using ethanol decomposition
Y.Z. Jin, Y.J. Kim, C. Gao, Y.Q. Zhu, A. Huczko, M. Endo and H.W. Kroto	724	High temperature annealing effects on carbon spheres and their applications as anode materials in Li-ion secondary battery
S. Yang, H. Song and X. Chen	730	Expansion of mesocarbon microbeads
G. Xi, M. Zhang, D. Ma, Y. Zhu, H. Zhang and Y. Qian	734	Controlled synthesis of carbon nanocables and branched-nanobelts

R. Zheng, Y. Zhao, H. Liu, C. Liang and G. Cheng	742	Preparation, characterization and growth mechanism of platelet carbon nanofibers
Z.S. Lu, R.Z. Wang, L.W. Wang and C.J. Chen	747	Performance analysis of an adsorption refrigerator using activated carbon in a compound adsorbent
D. Ávila-Brandé, N.A. Katcho, E. Urones-Garrote, A. Gómez-Herrero, A.R. Landa-Cánovas and L.C. Otero-Díaz	753	Nano-structured carbon obtained by chlorination of NbC
S.-c. Mu, H.-l. Tang, S.-h. Qian, M. Pan and R.-z. Yuan	762	Hydrogen storage in carbon nanotubes modified by microwave plasma etching and Pd decoration
M.-L. Sham and J.-K. Kim	768	Surface functionalities of multi-wall carbon nanotubes after UV/Ozone and TETA treatments
Q. Zhang, S. Rastogi, D. Chen, D. Lippits and P.J. Lemstra	778	Low percolation threshold in single-walled carbon nanotube/high density polyethylene composites prepared by melt processing technique
J.-g. Zhao, K.-z. Li, H.-j. Li and C. Wang	786	The influence of thermal gradient on pyrocarbon deposition in carbon/carbon composites during the CVI process
Z. Weiss, J.C. Crelling, G. Simha Martynková, M. Valášková and P. Filip	792	Identification of carbon forms and other phases in automotive brake composites using multiple analytical techniques
<i>Letters to the Editor</i>		
T. Watanabe, H. Wang, Y. Yamakawa and M. Yoshimura	799	Direct carbon patterning on a conducting substrate in an organic liquid
F. Su, X. Li, L. Lv and X.S. Zhao	801	Ordered mesoporous carbon particles covered with carbon nanotubes
E. Asedegbega-Nieto, A. Guerrero-Ruiz and I. Rodríguez-Ramos	804	Modification of the stereoselectivity in the citral hydrogenation by application of carbon nanotubes as support of the Pt particles
Y.-H. Lee, S.-J. Kyung, C.-W. Kim and G.-Y. Yeom	807	Characteristic of carbon nanotubes synthesized by pin-to-plate type atmospheric pressure plasma enhanced chemical vapor deposition at low temperature
J.J. Delgado, R. Vieira, G. Rebmann, D.S. Su, N. Keller, M.J. Ledoux and R. Schlögl	809	Supported carbon nanofibers for the fixed-bed synthesis of styrene
M. Hentsche, H. Hermann, T. Gemming, H. Wendrock and K. Wetzig	812	Nanostructured graphite prepared by ball-milling at low temperatures
S. Delpeux-Ouldriane, K. Szostak, E. Frackowiak and F. Béguin	814	Annealing of template nanotubes to well-graphitized multi-walled carbon nanotubes
K. Murata, M. Yudasaka and S. Iijima	818	Hydrogen production from methane and water at low temperature using EuPt supported on single-wall carbon nanohorns
I. Paraskevas, V. Caps and S.C. Tsang	820	Syntheses of carbon encapsulated magnetic FeNi nanoparticle via decompositions of methane and benzene

Number 5

P.A. Throver	825	<i>Editorial</i> Abbreviate
G. Zou, D. Zhang, C. Dong, H. Li, K. Xiong, L. Fei and Y. Qian	828	Carbon nanofibers: Synthesis, characterization, and electrochemical properties
T.J. Kang, S.J. Shin, K. Jung and J.K. Park	833	Mechanical, thermal and ablative properties of interply continuous/spun hybrid carbon composites

O. Šedo, M. Alberti, J. Janča and J. Havel	840	Laser desorption-ionization time of flight mass spectrometry of various carbon materials
V. Titzios, V. Georgakilas, E. Oikonomou, M. Karakassides and D. Petridis	848	Synthesis and characterization of carbon nanotube/metal nanoparticle composites well dispersed in organic media
B. Fathollahi, M. Mauldin, P.C. Chau, P.G. Wapner and W.P. Hoffman	854	Integrated mesophase injection and in situ transformation in fabrication of high-density carbon-carbon composites
S.-S. Tzeng, K.-H. Hung and T.-H. Ko	859	Growth of carbon nanofibers on activated carbon fiber fabrics
J. Zhong, L. Song, Z.-Y. Wu, S.-S. Xie, M. Abbas, K. Ibrahim and H. Qian	866	X-ray absorption near-edge structure and photoelectron spectroscopy of single-walled carbon nanotubes modified by a HBr solution
Y. Oyama, R. Saito, K. Sato, J. Jiang, Ge.G. Samsonidze, A. Grūncis, Y. Miyauchi, S. Maruyama, A. Jorio, G. Dresselhaus and M.S. Dresselhaus	873	Photoluminescence intensity of single-wall carbon nanotubes
T. Hino, Y. Ogawa and N. Kuramoto	880	Preparation of functionalized and non-functionalized fullerene thin films on ITO glasses and the application to a counter electrode in a dye-sensitized solar cell
Z. Sun, Z. Liu, B. Han, S. Miao, J. Du and Z. Miao	888	Microstructural and electrochemical characterization of RuO ₂ /CNT composites synthesized in supercritical diethyl amine
Y. Li, H. Li, X. Jia, J. Hao and W. Liu	894	Electrochemical behavior of C ₆₀ films and C ₆₀ /lipid films in ionic liquids
T.-C. Wang, T.-X. Fan, D. Zhang and G.-D. Zhang	900	Fabrication and the wear behaviors of the carbon/aluminum composites based on wood templates
A. Sharma, A. Saxena, B. Singh, M.V.S. Suryanarayana, K. Ganeshan, K. Sekhar and K.K. Dwivedi	907	Development and evaluation of modified whetlerite, an adsorbent material for in situ degradation of sulphur mustard
Z.Z. Liang, H. Kanda, X. Jia, H.A. Ma, P.W. Zhu, Q.-F. Guan and C.Y. Zang	913	Synthesis of diamond with high nitrogen concentration from powder catalyst-C-additive NaN ₃ by HPHT
J.M. Blackman, J.W. Patrick and C.E. Snape	918	An accurate volumetric differential pressure method for the determination of hydrogen storage capacity at high pressures in carbon materials
Y.-f. Zhang and Z.-f. Liu	928	Pressure induced reactivity change on the side-wall of a carbon nanotube: A case study on the addition of singlet O ₂
Z. Zhou, X. Gao, J. Yan and D. Song	939	Doping effects of B and N on hydrogen adsorption in single-walled carbon nanotubes through density functional calculations
K. Chakrabarti, P.M.G. Nambissan, C.D. Mukherjee, K.K. Bardhan, C. Kim and K.S. Yang	948	Positron annihilation spectroscopy of polyacrylonitrile-based carbon fibers embedded with multi-wall carbon nanotubes
M.V. Avdeev, T.V. Tropin, V.L. Aksenov, L. Rosta, V.M. Garamus and N.N. Rozhkova	954	Pore structures in shungites as revealed by small-angle neutron scattering
B. Zheng, W.T. Zheng, K. Zhang, Q.B. Wen, J.Q. Zhu, S.H. Meng, X.D. He and J.C. Han	962	First-principle study of nitrogen incorporation in amorphous carbon
G.-Y. Xiong, D.Z. Wang and Z.F. Ren	969	Aligned millimeter-long carbon nanotube arrays grown on single crystal magnesia
W. Lisowski, E.G. Keim, A.H.J. van den Berg and M.A. Smithers	974	Thermal desorption of deuterium from modified carbon nanotubes and its correlation to the microstructure
E. Gomibuchi, T. Ichikawa, K. Kimura, S. Isobe, K. Nabeta and H. Fujii	983	Electrode properties of a double layer capacitor of nano-structured graphite produced by ball milling under a hydrogen atmosphere
A.J. Fletcher, Y. Yüzak and K.M. Thomas	989	Adsorption and desorption kinetics for hydrophilic and hydrophobic vapors on activated carbon

G. Wen, Y. Lv and T.Q. Lei	1005	Reaction-formed W_2B_5/C composites with high performance
D. Zhou, E.V. Anoshkina, L. Chow and G. Chai	1013	<i>Letters to the Editor</i> Synthesis of carbon nanotubes by electrochemical deposition at room temperature
S.H. Gihm and C.R. Park	1016	Accurate measurement of interlayer spacing value of carbon fibers using a silver foil as an internal standard
M.T. Kartel, N.V. Sych, M.M. Tsyba and V.V. Strelko	1019	Preparation of porous carbons by chemical activation of polyethyleneterephthalate
M. Keidar, Y. Raitses, A. Knapp and A.M. Waas	1022	Current-driven ignition of single-wall carbon nanotubes
	1025	Book review

Number 6 – Toxicology of Carbon Nanomaterials

P.A. Throver	1027	Editorial
R.H. Hurt, M. Monthieux and A. Kane	1028	Toxicology of carbon nanomaterials: Status, trends, and perspectives on the special issue
S.K. Smart, A.I. Cassady, G.Q. Lu and D.J. Martin	1034	The biocompatibility of carbon nanotubes
J. Muller, F. Huaux and D. Lison	1048	Respiratory toxicity of carbon nanotubes: How worried should we be?
H. Grubek-Jaworska, P. Nejman, K. Czumińska, T. Przybyłowski, A. Huczko, H. Lange, M. Bystrzejewski, P. Baranowski and R. Chazan	1057	Preliminary results on the pathogenic effects of intratracheal exposure to one-dimensional nanocarbons
D.B. Warheit	1064	What is currently known about the health risks related to carbon nanotube exposures?
N.A. Monteiro-Riviere and A.O. Inman	1070	Challenges for assessing carbon nanomaterial toxicity to the skin
S. Koyama, M. Endo, Y.-A. Kim, T. Hayashi, T. Yanagisawa, K. Osaka, H. Koyama, H. Haniu and N. Kuroiwa	1079	Role of systemic T-cells and histopathological aspects after subcutaneous implantation of various carbon nanotubes in mice
E. Flahaut, M.C. Durrieu, M. Remy-Zolghadri, R. Bareille and Ch. Baquey	1093	Investigation of the cytotoxicity of CCVD carbon nanotubes towards human umbilical vein endothelial cells
S. Fiorito, A. Serafino, F. Andreola and P. Bernier	1100	Effects of fullerenes and single-wall carbon nanotubes on murine and human macrophages
J. Chłopek, B. Czajkowska, B. Szaraniec, E. Frackowiak, K. Szostak and F. Béguin	1106	In vitro studies of carbon nanotubes biocompatibility
E. Oberdörster, S. Zhu, T.M. Blickley, P. McClellan-Green and M.L. Haasch	1112	Ecotoxicology of carbon-based engineered nanoparticles: Effects of fullerene (C_{60}) on aquatic organisms

Number 7

D. Lozano-Castelló, J.A. Maciá-Agulló, D. Cazorla-Amorós, A. Linares-Solano, M. Müller, M. Burghammer and C. Riekkel	1121	Isotropic and anisotropic microporosity development upon chemical activation of carbon fibers, revealed by microbeam small-angle X-ray scattering
--	------	---

T. Hayashi, H. Muramatsu, Y.A. Kim, H. Kajitani, S. Imai, H. Kawakami, M. Kobayashi, T. Matoba, M. Endo and M.S. Dresselhaus	1130	TEM image simulation study of small carbon nanotubes and carbon nanowire
M.W. Marshall, S. Popa-Nita and J.G. Shapter	1137	Measurement of functionalised carbon nanotube carboxylic acid groups using a simple chemical process
N.S. Jacobson and D.M. Curry	1142	Oxidation microstructure studies of reinforced carbon/carbon
J.P. Zhai, Z.M. Li, H.J. Liu, I.L. Li, P. Sheng, X.J. Hu and Z.K. Tang	1151	Catalytic effect of metal cations on the formation of carbon nanotubes inside the channels of $\text{AlPO}_4\cdot 5$ crystal
J.M.V. Nabais, P.J.M. Carrott, M.M.L.R. Carrott, A.M. Padre-Eterno, J.A. Menéndez, A. Dominguez and A.L. Ortiz	1158	New acrylic monolithic carbon molecular sieves for O_2/N_2 and CO_2/CH_4 separations
Q. Kuang, S.-F. Li, Z.-X. Xie, S.-C. Lin, X.-H. Zhang, S.-Y. Xie, R.-B. Huang and L.-S. Zheng	1166	Controllable fabrication of SnO_2 -coated multiwalled carbon nanotubes by chemical vapor deposition
A. Garsuch, W. Böhlmann, R.R. Sattler, J. Fraissard and O. Klepel	1173	^{129}Xe NMR studies on carbon replicas of Y zeolite
T. Takahashi, T. Murayama, A. Higuchi, H. Awano and K. Yonetake	1180	Aligning vapor-grown carbon fibers in polydimethylsiloxane using dc electric or magnetic field
E.A. Dawson, P.A. Barnes and M.J. Chinn	1189	Preparation and characterisation of carbon-coated ceramic foams for organic vapour adsorption
X.-H. Shi, H.-J. Li, Q.-G. Fu, S.-Y. Zhang, L.-J. Guo and J.-H. Lu	1198	Carbon infiltration of carbon-fiber preforms by catalytic CVI
X. Feng, N. Dementev, W. Feng, R. Vidic and E. Borguet	1203	Detection of low concentration oxygen containing functional groups on activated carbon fiber surfaces through fluorescent labeling
W.-Y. Wu and J.-M. Ting	1210	Growth and characteristics of metal-containing diamond-like carbon using a self-assembled process
G. Yu, J. Gong, S. Wang, D. Zhu, S. He and Z. Zhu	1218	Etching effects of ethanol on multi-walled carbon nanotubes
V. Yu. Osipov, T. Enoki, K. Takai, K. Takahara, M. Endo, T. Hayashi, Y. Hishiyama, Y. Kaburagi and A. Ya. Vul'	1225	Magnetic and high resolution TEM studies of nanographite derived from nano-diamond
M. Karwa, Z. Iqbal and S. Mitra	1235	Scaled-up self-assembly of carbon nanotubes inside long stainless steel tubing
J.-i. Ozaki, K. Takahashi, M. Sato and A. Oya	1243	Preparation of ZSM-5 nanoparticles supported on carbon substrate
S.D. Preston and B.J. Marsden	1250	Changes in the coefficient of thermal expansion in stressed Gilsocarbon graphite
V.M. Gun'ko, W.R. Betz, S. Patel, M.C. Murphy and S.V. Mikhlovsky	1258	Adsorption of lipopolysaccharide on carbon sieves
F.Y. Meng, S.Q. Shi, D.S. Xu and R. Yang	1263	Size effect of X-shaped carbon nanotube junctions
S. di Stasio, J.B.A. Mitchell, J.L. LeGarrec, L. Biennier and M. Wulff	1267	Synchrotron SAXS (in situ) identification of three different size modes for soot nanoparticles in a diffusion flame
V. Singh, V. Palshin, R.C. Tittsworth and E.I. Meletis	1280	Local structure of composite Cr-containing diamond-like carbon thin films
S. Inoue, T. Nakajima and Y. Kikuchi	1287	Trial for diameter-selective synthesis of single-walled carbon nanotubes

V.A. Karachevtsev, A. Yu. Glamazda, U. Dettlaff-Weglikowska, V.S. Leontiev, P.V. Mateichenko, S. Roth and A.M. Rao	1292	Spectroscopic and SEM studies of SWNTs: Polymer solutions and films
<i>Letters to the Editor</i>		
Z. Ma, J. Shi, Y. Song, Q. Guo, G. Zhai and L. Liu	1298	Carbon with high thermal conductivity, prepared from ribbon-shaped mesophase pitch-based fibers
M. Bottini, A. Magrini, M.I. Dawson, A. Bergamaschi and T. Mustelin	1301	Non-destructive decoration of full-length multi-walled carbon nanotubes with variable amounts of silica gel nanoparticles
W. Qian, L. Wei, F. Cao, Q. Chen and W. Qian	1303	Low temperature synthesis of carbon nanospheres by reducing supercritical carbon dioxide with bimetallic lithium and potassium
F. Wang, S. Arai, K.C. Park, K. Takeuchi, Y.J. Kim and M. Endo	1307	Synthesis of carbon nanotube-supported nickel-phosphorus nanoparticles by an electroless process
X. Zhao, P. Jiang, W. Chu, S. Mu, D. Liu, L. Song, L. Liu, S. Luo, Z. Zhang, Y. Xiang, W. Zhou, G. Wang and S. Xie	1310	The growth of carbon nanostructures in the channels of aligned carbon nanotubes
A. Braun	1313	Some comments on "Soot surface area evolution during air oxidation as evaluated by small angle X-ray scattering and CO ₂ adsorption"
S. Reculosa, M. Trinquescoste, L. Dariol and P. Delhaès	1316	Formation of low-density carbon materials through thermal degradation of a cork-based composite
Z. Wang, Z. Zhao and J. Qiu	1321	Synthesis of branched carbon nanotubes from coal
J.-i. Ozaki, S.-i. Tanifuji, N. Kimura, A. Furuichi and A. Oya	1324	Enhancement of oxygen reduction activity by carbonization of furan resin in the presence of phthalocyanines
F. Du, Y. Ma, X. Lv, Y. Huang, F. Li and Y. Chen	1327	The synthesis of single-walled carbon nanotubes with controlled length and bundle size using the electric arc method
B. Reznik, K. Norinaga, D. Gerthsen and O. Deutschmann	1330	The effect of cooling rate on hydrogen release from a pyrolytic carbon coating and its resulting morphology
X. Li, F. Kang and W. Shen	1334	Multiwalled carbon nanotubes as a conducting additive in a LiNi _{0.7} Co _{0.3} O ₂ cathode for rechargeable lithium batteries
L. Wang, Y. Zhao, K. Lin, X. Zhao, Z. Shan, Y. Di, Z. Sun, X. Cao, Y. Zou, D. Jiang, L. Jiang and F.-S. Xiao	1336	Super-hydrophobic ordered mesoporous carbon monolith
D.-M. Yoon, B.-J. Yoon, K.-H. Lee, H.S. Kim and C.G. Park	1339	Synthesis of carbon nanotubes from solid carbon sources by direct microwave irradiation
A. Eftekhari, P. Jafarkhani and F. Moztarzadeh	1343	High-yield synthesis of carbon nanotubes using a water-soluble catalyst support in catalytic chemical vapor deposition
J.J. Li, J. Cui, N.Q. Zhao, C.S. Shi and X.W. Du	1346	The properties of granular activated carbons prepared from fly ash using different methods
Q. Hu, J. Pang, Z. Wu and Y. Lu	1349	Tuning pore size of mesoporous carbon via confined activation process
	1353	Tanso 220—Abstracts
	1357	New Carbon Materials, 2005;20(3)—Abstracts
	1362	New Carbon Materials, 2005;20(4)—Abstracts

Number 8

J. Yang, P. Juan, Z. Shen, R. Guo, J. Jia, H. Fang and Y. Wang	1367	Removal of carbon disulfide (CS ₂) from water via adsorption on active carbon fiber (ACF)
---	------	---

J.M. Blackman, J.W. Patrick, A. Arenillas, W. Shi and C.E. Snape	1376	Activation of carbon nanofibres for hydrogen storage
X. Liu, L. Zhou, J. Li, Y. Sun, W. Su and Y. Zhou	1386	Methane sorption on ordered mesoporous carbon in the presence of water
S.N. Bondi, W.J. Lackey, R.W. Johnson, X. Wang and Z.L. Wang	1393	Laser assisted chemical vapor deposition synthesis of carbon nanotubes and their characterization
M. Marella and M. Tomaselli	1404	Synthesis of carbon nanofibers and measurements of hydrogen storage
S. Noda, H. Sugime, T. Osawa, Y. Tsuji, S. Chiashi, Y. Murakami and S. Maruyama	1414	A simple combinatorial method to discover Co-Mo binary catalysts that grow vertically aligned single-walled carbon nanotubes
N. Tagmatarchis, T. Pichler, M. Krause, H. Kuzmany and H. Shinohara	1420	Infra-red and Raman spectroscopic study on the thermal stability and high temperature transformation of hydroazafullerene C ₅₉ HN
X.Y. Tao, X.B. Zhang, L. Zhang, J.P. Cheng, F. Liu, J.H. Luo, Z.Q. Luo and H.J. Geise	1425	Synthesis of multi-branched porous carbon nanofibers and their application in electrochemical double-layer capacitors
S. Maldonado, S. Morin and K.J. Stevenson	1429	Structure, composition, and chemical reactivity of carbon nanotubes by selective nitrogen doping
P.-Y. Brisson, H. Darmstadt, M. Fafard, A. Adnot, G. Servant and G. Soucy	1438	X-ray photoelectron spectroscopy study of sodium reactions in carbon cathode blocks of aluminium oxide reduction cells
R.V.R.A. Rios, M. Martínez-Escandell, M. Molina-Sabio and F. Rodríguez-Reinoso	1448	Carbon foam prepared by pyrolysis of olive stones under steam
M.A. Lillo-Ródenas, A.J. Fletcher, K.M. Thomas, D. Cazorla-Amorós and A. Linares-Solano	1455	Competitive adsorption of a benzene-toluene mixture on activated carbons at low concentration
Y. Guo and D.A. Rockstraw	1464	Physical and chemical properties of carbons synthesized from xylan, cellulose, and Kraft lignin by H ₃ PO ₄ activation
C.N. Mbileni, F.F. Prinsloo, M.J. Witcomb and N.J. Coville	1476	Synthesis of mesoporous carbon supports via liquid impregnation of polystyrene onto a MCM-48 silica template
P. Liu	1484	Molecular dynamics simulation of triaxial compression of C ₆₀ and C ₈₀ solids
K.-Y. Chun, S.K. Choi, H.J. Kang, C.Y. Park and C.J. Lee	1491	Highly dispersed multi-walled carbon nanotubes in ethanol using potassium doping
S. Wen and D.D.L. Chung	1496	Self-sensing of flexural damage and strain in carbon fiber reinforced cement and effect of embedded steel reinforcing bars
J.D. Fowlkes, A.V. Melechko, K.L. Klein, P.D. Rack, D.A. Smith, D.K. Hensley, M.J. Doktycz and M.L. Simpson	1503	Control of catalyst particle crystallographic orientation in vertically aligned carbon nanofiber synthesis
S.P. Doherty, D.B. Buchholz and R.P.H. Chang	1511	Semi-continuous production of multiwalled carbon nanotubes using magnetic field assisted arc furnace
L. Ravagnan, G. Bongiorno, D. Bandiera, E. Salis, P. Piseri, P. Milani, C. Lenardi, M. Coreno, M. de Simone and K.C. Prince	1518	Quantitative evaluation of sp ² /sp ³ hybridization ratio in cluster-assembled carbon films by in situ near edge X-ray absorption fine structure spectroscopy
E. Lahiff, R. Leahy, J.N. Coleman and W.J. Blau	1525	Physical properties of novel free-standing polymer-nanotube thin films
S.-J. Kyung, Y.-H. Lee, C.-w. Kim, J.-H. Lee and G.-Y. Yeom	1530	Field emission properties of carbon nanotubes synthesized by capillary type atmospheric pressure plasma enhanced chemical vapor deposition at low temperature
C. Chen, E.B. Kennel, A.H. Stiller, P.G. Stansberry and J.W. Zondlo	1535	Carbon foam derived from various precursors

L.X. Li, R.P. Liu, Z.W. Chen, Q. Wang, M.Z. Ma, Q. Jing, G. Li and Y. Tian	1544	Tearing, folding and deformation of a carbon-carbon sp^2 -bonded network
T. Beechem and K. Lafdi	1548	Novel high strength graphitic foams
X. Wang, J. Zhong, Y. Wang and M. Yu	1560	A study of the properties of carbon foam reinforced by clay
J.-M. Vallerot and X. Bourrat	1565	Pyrocarbon optical properties in reflected light
I. Martin-Gullon, J. Vera, J.A. Conesa, J.L. González and C. Merino	1572	Differences between carbon nanofibers produced using Fe and Ni catalysts in a floating catalyst reactor
<i>Letters to the Editor</i>		
J. Hu, Z. Wang, W. Zhang, Z. Xu, Y. Wu, Z. Zhu and X. Duan	1581	Nanowires with a carbon nanotube core and silicon oxide sheath
X. Song, Y. Liu and J. Zhu	1584	The effect of furnace temperature on fullerene yield by a temperature controlled arc discharge
Y. Li, R. Hatakeyama, T. Okada, T. Kato, T. Izumida, T. Hirata and J. Qiu	1586	Synthesis of Cs-filled double-walled carbon nanotubes by a plasma process
Y. Xiao, Y. Liu, L. Cheng, D. Yuan, J. Zhang, Y. Gu and G. Sun	1589	Flower-like carbon materials prepared via a simple solvothermal route
Y.-J. Kim, B.-J. Lee, H. Suezaki, T. Chino, Y. Abe, T. Yanagiura, K.C. Park and M. Endo	1592	Preparation and characterization of bamboo-based activated carbons as electrode materials for electric double layer capacitors
P. Victor, A. Kumar, F. Lupo, D. Gandhi, S. Agrawal, G. Ramanath and O. Nalamasu	1595	Synthesis of carbon-silica shell-core hybrid structures and carbon nanoshells by a template method
L. Liu, Z. Liu, Z. Huang, Z. Liu and P. Liu	1598	Preparation of activated carbon honeycomb monolith directly from coal
L. Zhou, H. Li, C. Yu, X. Zhou, J. Tang, Y. Meng, Y. Xia and D. Zhao	1601	Easy synthesis and supercapacities of highly ordered mesoporous polyacenes/carbons
P. Queipo, A.G. Nasibulin, D. Gonzalez, U. Tapper, H. Jiang, T. Tsuneta, K. Grigoros, J.A. Dueñas and E.I. Kauppinen	1604	Novel catalyst particle production method for CVD growth of single- and double-walled carbon nanotubes
E. Menna, F.D. Negra, M. Prato, N. Tagmatarchis, A. Cioqli, F. Gasparrini, D. Misiti and C. Villani	1609	Carbon nanotubes on HPLC silica microspheres
Y.-T. Liu, W. Zhao, Z.-Y. Huang, Y.-F. Gao, X.-M. Xie, X.-H. Wang and X.-Y. Ye	1613	Noncovalent surface modification of carbon nanotubes for solubility in organic solvents
	1617	Tanso 221—Abstracts

Number 9

Guest Editorial

M. Monthieux and V.L. Kuznetsov	1621	Who should be given the credit for the discovery of carbon nanotubes?
---------------------------------	------	---

Review Article

J.N. Coleman, U. Khan, W.J. Blau and Y.K. Gun'ko	1624	Small but strong: A review of the mechanical properties of carbon nanotube-polymer composites
---	------	---

Articles

P.T.A. Reilly and W.B. Whitten	1653	The role of free radical condensates in the production of carbon nanotubes during the hydrocarbon CVD process
Y. Yang, X. Liu, B. Xu and T. Li	1661	Preparation of vapor-grown carbon fibers from deoiled asphalt

Zs. Ötvös, Gy. Onyestyák, A. Hancz, I. Kiricsi and L.V.C. Rees	1665	Surface oxygen complexes as governors of neopentane sorption in multiwalled carbon nanotubes
C. Zhou and P.J. McGinn	1673	The effect of oxygen on the processing of mesocarbon microbeads to high-density carbon
A. Elgafy and K. Lafdi	1682	Carbon nanoparticle-filled polymer flow in the fabrication of novel fiber composites
J. Yin, X. Xiong, H. Zhang and B. Huang	1690	Microstructure and ablation performances of dual-matrix carbon/carbon composites
F.-X. Zha, S. Roth and D.L. Carroll	1695	Periodic, pearl chain-like nanostructure observed by scanning tunneling microscopy
X. Li, G. Yuan, A. Brown, A. Westwood, R. Brydson and B. Rand	1699	The removal of encapsulated catalyst particles from carbon nanotubes using molten salts
H. Yu, Q. Zhang, Q. Zhang, Q. Wang, G. Ning, G. Luo and F. Wei	1706	Effect of the reaction atmosphere on the diameter of single-walled carbon nanotubes produced by chemical vapor deposition
J. Zeng, F. Su, J.Y. Lee, W. Zhou and X.S. Zhao	1713	Methanol oxidation activities of Pt nanoparticles supported on microporous carbon with and without a graphitic shell
E.H.L. Falcao, Y. Yeh, B. Dunn and F. Wudl	1718	Electrochemical and physical chemical properties of sp^2 carbon microrods
L. Hu, S. Wang, B. Zhang and Y. Zeng	1725	Structural changes in soot particles induced by diode laser irradiation
K.V. Singh, R.R. Pandey, X. Wang, R. Lake, C.S. Ozkan, K. Wang and M. Ozkan	1730	Covalent functionalization of single walled carbon nanotubes with peptide nucleic acid: Nanocomponents for molecular level electronics
Q. Zhao, R. Tannenbaum and K.I. Jacob	1740	Carbon nanotubes as Raman sensors of vulcanization in natural rubber
C. Müller, S. Hampel, D. Elefant, K. Biedermann, A. Leonhardt, M. Ritschel and B. Büchner	1746	Iron filled carbon nanotubes grown on substrates with thin metal layers and their magnetic properties
N. Sonoyama, M. Ohshita, A. Nijubu, H. Nishikawa, H. Yanase, J.-i. Hayashi and T. Chiba	1754	Synthesis of carbon nanotubes on carbon fibers by means of two-step thermochemical vapor deposition
A. Concheso, R. Santamaría, R. Menéndez, J.M. Jiménez-Mateos, R. Alcántara, P. Lavela and J.L. Tirado	1762	Iron-carbon composites as electrode materials in lithium batteries
Y.-J. Bai, C.-G. Wang, N. Lun, Y.-X. Wang, M.-J. Yu and B. Zhu	1773	HRTEM microstructures of PAN precursor fibers
Z.S. Wronski and G.J.C. Carpenter	1779	Carbon nanoshells obtained from leaching carbonyl nickel metal powders
K. Norinaga, O. Deutschmann and K.J. Hüttinger	1790	Analysis of gas phase compounds in chemical vapor deposition of carbon from light hydrocarbons
H. Mayer and M. Papakyriacou	1801	Fatigue behaviour of graphite and interpenetrating graphite-aluminium composite up to 10^9 load cycles
C.-M. Chen, Y.-M. Dai, J.G. Huang and J.-M. Jehng	1808	Intermetallic catalyst for carbon nanotubes (CNTs) growth by thermal chemical vapor deposition method
Y.H. Li, Y.M. Zhao, Y.Q. Zhu, J. Rodriguez, J.R. Morante, E. Mendoza, C.H.P. Poa and S.R.P. Silva	1821	Mechanical and NH_3 sensing properties of long multi-walled carbon nanotube ropes
A.-Y. Wang, K.-R. Lee, J.-P. Ahn and J.H. Han	1826	Structure and mechanical properties of W incorporated diamond-like carbon films prepared by a hybrid ion beam deposition technique

J.-M. Vallerot, X. Bourrat, A. Mouchon and G. Chollon	1833	Quantitative structural and textural assessment of laminar pyrocarbons through Raman spectroscopy, electron diffraction and few other techniques
<i>Letters to the Editor</i>		
Z. Wang, Z. Zhao and J. Qiu	1845	In situ synthesis of super-long Cu nanowires inside carbon nanotubes with coal as carbon source
S. Wang, Y. Zhu, F. Xia, J. Xi, N. Wang, L. Feng and L. Jiang	1848	The preparation of a superhydrophilic carbon film from a superhydrophobic lotus leaf
B. Xu, Y. Fan, G. Liu, X. Liu and T. Li	1851	Controlled growth of endohedral-metal carbon onions by pre-molding synthesis
T. Hiraoka, S. Bandow, H. Shinohara and S. Iijima	1853	Control on the diameter of single-walled carbon nanotubes by changing the pressure in floating catalyst CVD
N.Q. Zhao, C.N. He, X.W. Du, C.S. Shi, J.J. Li and L. Cui	1859	Amorphous carbon nanotubes fabricated by low-temperature chemical vapor deposition
J.Y. Kim, C.-H. Noh, K.Y. Song, H.J. Son, E.C. Hwang, S.H. Cho, T.V. Byk, H.J. Kim, J.M. Kim, B.Y. Kong, N.S. Lee and Y.S. Woo	1862	Fabrication of patterned catalyst films for carbon nanotube by selective electroless deposition
F. Qian-Gang, L. He-Jun, L. Ke-Zhi, S. Xiao-Hong, H. Zhi-Biao and H. Min	1866	SiC whisker-toughened MoSi ₂ -SiC-Si coating to protect carbon/carbon composites against oxidation
<i>Book Review</i>		
Y. Kimura	1870	Polyynes: Synthesis, Properties, and Applications
	1871	Tanso 222—Abstracts

Number 10

S. Giraudet, P. Pré, H. Tezel and P. Le Cloirec	1873	Estimation of adsorption energies using physical characteristics of activated carbons and VOCs' molecular properties
S. Lei, J.-i. Miyamoto, H. Kanoh, Y. Nakahigashi and K. Kaneko	1884	Enhancement of the methylene blue adsorption rate for ultramicroporous carbon fiber by addition of mesopores
G. Gabriel, G. Sauthier, J. Fraxedas, M. Moreno-Mañas, M.T. Martínez, C. Miravittles and J. Casabó	1891	Preparation and characterisation of single-walled carbon nanotubes functionalised with amines
J.A. Kim, D.G. Seong, T.J. Kang and J.R. Youn	1898	Effects of surface modification on rheological and mechanical properties of CNT/epoxy composites
A.B. Bourlinos, E.P. Giannelis, Y. Sanakis, A. Bakandritsos, M. Karakassides, M. Gjoka and D. Petridis	1906	A graphite oxide-like carbogenic material derived from a molecular precursor
V.G. Pol, S.V. Pol, J.M. Calderon-Moreno, M.-G. Sung, S. Asai and A. Gedanken	1913	The dependence of the oriented growth of carbon filaments on the intensity of a magnetic field
J.L.G. de la Fuente, S. Rojas, M.V. Martínez-Huerta, P. Terreros, M.A. Peña and J.L.G. Fierro	1919	Functionalization of carbon support and its influence on the electrocatalytic behaviour of Pt/C in H ₂ and CO electrooxidation
S.J. Park and D.G. Lee	1930	Performance improvement of micron-sized fibrous metal filters by direct growth of carbon nanotubes
W.R. Strong, A.R. Knauff, B.W. Fravel and M.J. Samide	1936	Introduction of ion-exchange moieties to reticulated vitreous carbon by direct chemical modification
D.F. Rohlffing and A. Kuhn	1942	Preparation and characterization of polyoxometalate-modified carbon nanosheets

B.B. Wang and B. Zhang	1949	Effects of carbon film roughness on growth of carbon nanotip arrays by plasma-enhanced hot filament chemical vapor deposition
P. Gorria, M. Sevilla, J.A. Blanco and A.B. Fuertes	1954	Synthesis of magnetically separable adsorbents through the incorporation of protected nickel nanoparticles in an activated carbon
F. Simon, H. Kuzmany, J. Bernardi, F. Hauke and A. Hirsch	1958	Encapsulating C ₅₉ N azafullerene derivatives inside single-wall carbon nanotubes
J.H. Kim, K.-W. Nam, S.B. Ma and K.B. Kim	1963	Fabrication and electrochemical properties of carbon nanotube film electrodes
Y. Zhang, G. Hu, D. O'Hare, D. Wu and Y. Sun	1969	Partially graphitized carbon filaments from as-synthesized silica/surfactant composite
C. Jason Jan, M.D. Walton, E.P. McConnell, W.-S. Jang, Y.S. Kim and J.C. Grunlan	1974	Carbon black thin films with tunable resistance and optical transparency
S.C. Ray, C.W. Pao, H.M. Tsai, B. Bose, J.W. Chiou, W.F. Pong and D. DasGupta	1982	Orientation of graphitic planes during annealing of "dip deposited" amorphous carbon film: A carbon K-edge X-ray absorption near-edge study
S.-S. Tzeng	1986	Catalytic graphitization of electrodeless Ni-P coated PAN-based carbon fibers
A.G. Odeshi, H. Mucha and B. Wielage	1994	Manufacture and characterisation of a low cost carbon fibre reinforced C/SiC dual matrix composite
H. Miyagawa, T. Mase, C. Sato, E. Drown, L.T. Drzal and K. Ikegami	2002	Comparison of experimental and theoretical transverse elastic modulus of carbon fibers
G.F. Zhong, T. Iwasaki and H. Kawarada	2009	Semi-quantitative study on the fabrication of densely packed and vertically aligned single-walled carbon nanotubes
V.A. Davydov, A.V. Rakhmanina, J.-P. Boudou, A. Thorel, H. Allouchi and V. Agafonov	2015	Nanosized carbon forms in the processes of pressure-temperature-induced transformations of hydrocarbons
C. Li, Y. Tang, K. Yao, F. Zhou, Q. Ma, H. Lin, M. Tao and J. Liang	2021	Decoration of multiwall nanotubes with cadmium sulfide nanoparticles
N.V. Surovtsev, A.A. Kalinin, V.K. Malinovsky, Yu.N. Pal'yanov and A.S. Yunoshev	2027	Effect of synthesis temperature on hardness of carbon phases prepared from C ₆₀ and nanosized diamonds under pressure
T.C. Schmitt, A.S. Biris, D.W. Miller, A.R. Biris, D. Lupu, S. Trigwell and Z.U. Rahman	2032	Analysis of effluent gases during the CCVD growth of multi-wall carbon nanotubes from acetylene
O. Byl, J. Liu and J.T. Yates Jr.	2039	Characterization of single wall carbon nanotubes by nonane preadsorption
T.-C. Liu and Y.-Y. Li	2045	Synthesis of carbon nanocapsules and carbon nanotubes by an acetylene flame method
R. Rajagopalan, A. Merritt, A. Tseytlin and H.C. Foley	2051	Modification of macroporous stainless steel supports with silica nanoparticles for size selective carbon membranes with improved flux
S.-J. Zhang, H.-Q. Yu and H.-M. Feng	2059	PVA-based activated carbon fibers with lotus root-like axially porous structure
A.P. Wieber, J.E. Guzman and E.E. Wolf	2069	An STM study of phosphoric acid inhibition of the oxidation of HOPG and carbon catalyzed by alkali salts
O. Mesalhy, K. Lafdi and A. Elgafy	2080	Carbon foam matrices saturated with PCM for thermal protection purposes
<i>Letters to the Editor</i>		
A. Sharma, H. Nakagawa and K. Miura	2089	A method to prepare a cobalt-carbon composite as a potential magnetic carrier for a drug delivery system
N. Komatsu, T. Shimawaki, S. Aonuma and T. Kimura	2091	Ultrasonic isolation of toroidal aggregates of single-walled carbon nanotubes

L. D'Urso, G. Compagnini and O. Puglisi	2093	sp/sp ² bonding ratio in sp rich amorphous carbon thin films
Z.M. Sheng and J.N. Wang	2096	Catalytic growth of giant single- and double-wall fullerene cages at low temperature
D. Gonzalez, A.G. Nasibulin, S.D. Shandakov, H. Jiang, P. Queipo and E.I. Kauppinen	2099	Spontaneous charging of single-walled carbon nanotubes in the gas phase
K. Jian, A. Yan, I. Külaots, G.P. Crawford and R.H. Hurt	2102	Reconstruction and hydrophobicity of nanocarbon surfaces composed solely of graphene edges
J.H. Byeon, J.H. Park, K.Y. Yoon, B.J. Ko, J.H. Ji and J. Hwang	2106	Removal of volatile organic compounds by spark generated carbon aerosol particles
	2109	New Carbon Materials, 2006, 21(1)—Abstracts
T.J. Kang, S.J. Shin, K. Jung and J.K. Park	2114	<i>Corrigendum</i> Corrigendum to "Mechanical, thermal and ablative properties of interplay continuous/spun hybrid carbon composites" [Carbon 44 (2006) 833–839]

Number 11

X. Wang, H.-X. Huang, A.-R. Liu, B. Liu, T. Wakayama, C. Nakamura, J. Miyake and D.-J. Qian	2115	Layer-by-layer assembly of single-walled carbon nanotube-poly(viologen) derivative multilayers and their electrochemical properties
J. Leis, M. Arulepp, A. Kuura, M. Lätt and E. Lust	2122	Electrical double-layer characteristics of novel carbide-derived carbon materials
S. Wen and D.D.L. Chung	2130	The role of electronic and ionic conduction in the electrical conductivity of carbon fiber reinforced cement
S. Kawasaki, M. Shinoda, T. Shimada, F. Okino and H. Touhara	2139	Single-walled carbon nanotubes grown on natural minerals
J. Chen, C. Xue, R. Ramasubramaniam and H. Liu	2142	A new method for the preparation of stable carbon nanotube organogels
J. Tarábek, L. Kavan, M. Kalbáč, P. Rápta, M. Zúkalová and L. Dunsch	2147	In situ EPR spectroelectrochemistry of single-walled carbon nanotubes and C ₆₀ fullerene peapods
D. Tang, L. Ci, W. Zhou and S. Xie	2155	Effect of H ₂ O adsorption on the electrical transport properties of double-walled carbon nanotubes
Y.-Y. Fan, A. Kaufmann, A. Mukasyan and A. Varma	2160	Single- and multi-wall carbon nanotubes produced using the floating catalyst method: Synthesis, purification and hydrogen up-take
J. Shen, J. Li, Z. Huang, Q. Chen, S. Zhang and Y. Qian	2171	A simple route for the synthesis of coral-like accretion of hollow carbon microspheres with thin walls
S. Kulesza, P. Szroeder, J.K. Patyk, J. Szatkowski and M. Kozanecki	2178	High-temperature electrical transport properties of buckypapers composed of doped single-walled carbon nanotubes
P.E. Anderson	2184	A method for characterization and quantification of platelet graphite nanofiber edge crystal structure
S. Singamaneni, V. Shevchenko and V. Bliznyuk	2191	Unusual ignition behavior of polyurethane/carbon nanotube composites with a He-Ne laser excitation (632.8nm) during micro-Raman spectroscopy
L. Valentini, J. Macan, I. Armentano, F. Mengoni and J.M. Kenny	2196	Modification of fluorinated single-walled carbon nanotubes with aminosilane molecules
E.F. Antunes, A.O. Lobo, E.J. Corat, V.J. Trava-Airoldi, A.A. Martin and C. Verissimo	2202	Comparative study of first- and second-order Raman spectra of MWCNT at visible and infrared laser excitation

H.-L. Zhang, S.-H. Liu, F. Li, S. Bai, C. Liu, J. Tan and H.-M. Cheng	2212	Electrochemical performance of pyrolytic carbon-coated natural graphite spheres
J.H. Yang, D.H. Lee, M.H. Yum, Y.S. Shin, E.J. Kim, C.-Y. Park, M.H. Kwon, C.W. Yang, J.-B. Yoo, H.-J. Song, H.-J. Shin, Y.-W. Jin and J.-M. Kim	2219	Encapsulation mechanism of N ₂ molecules into the central hollow of carbon nitride multiwalled nanofibers
S. Kundu and A.A. Ogale	2224	Rheostructural studies on a synthetic mesophase pitch during transient shear flow
N. Das, A. Dalai, J.S. Soltan Mohammadzadeh and J. Adjaye	2236	The effect of feedstock and process conditions on the synthesis of high purity CNTs from aromatic hydrocarbons
A.M. Nemilentsau, G.Ya. Slepian, A.A. Khrutchinskii and S.A. Maksimenko	2246	Third-order optical nonlinearity in single-wall carbon nanotubes
H.-L. Ma, D.S. Su, A. Klein-Hoffmann, G.-Q. Jin and X.-Y. Guo	2254	Morphologies and microstructures of tree-like carbon produced at different reaction conditions in a CVD process
B. Fei, H. Lu, W. Chen and J.H. Xin	2261	Ionic peapods from carbon nanotubes and phosphotungstic acid
L. Ni, K. Kuroda, L.-P. Zhou, T. Kizuka, K. Ohta, K. Matsuishi and J. Nakamura	2265	Kinetic study of carbon nanotube synthesis over Mo/Co/MgO catalysts
S. McCaldin, M. Bououdina, D.M. Grant and G.S. Walker	2273	The effect of processing conditions on carbon nanostructures formed on an iron-based catalyst
M.V. Navarro, N.A. Seaton, A.M. Mastral and R. Murillo	2281	Analysis of the evolution of the pore size distribution and the pore network connectivity of a porous carbon during activation
N.A. Kiselev, A.V. Krestinin, A.V. Raevskii, O.M. Zhigalina, G.I. Zvereva, M.B. Kislov, V.V. Artemov, Yu.V. Grigoriev and J.L. Hutchison	2289	Extreme-length carbon nanofilaments with single-walled nanotube cores grown by pyrolysis of methane or acetylene
D. Fairén-Jiménez, F. Carrasco-Marín and C. Moreno-Castilla	2301	Porosity and surface area of monolithic carbon aerogels prepared using alkaline carbonates and organic acids as polymerization catalysts
L. Li, J.L. Davidson and C.M. Lukehart	2308	Surface functionalization of nanodiamond particles via atom transfer radical polymerization
S. Hampel, A. Leonhardt, D. Selbmann, K. Biedermann, D. Elefant, Ch. Müller, T. Gemming and B. Büchner	2316	Growth and characterization of filled carbon nanotubes with ferromagnetic properties
G.W. Ho, Y.H. Ho, T.S. Li, C.P. Chang and M.F. Lin	2323	Band structure and absorption spectrum of double-walled zigzag carbon nanotubes in an electric field
<i>Letters to the Editor</i>		
C.N. He, X.W. Du, J. Ding, C.S. Shi, J.J. Li, N.Q. Zhao and L. Cui	2330	Low-temperature CVD synthesis of carbon-encapsulated magnetic Ni nanoparticles with a narrow distribution of diameters
A. Yoshida, Y. Kaburagi and Y. Hishiyama	2333	Full width at half maximum intensity of the G band in the first order Raman spectrum of carbon material as a parameter for graphitization
M.A. Fontecha-Cámara, M.V. López-Ramón, M.A. Álvarez-Merino and C. Moreno-Castilla	2335	About the endothermic nature of the adsorption of the herbicide diuron from aqueous solutions on activated carbon fiber
S. Konishi, W. Sugimoto, Y. Murakami and Y. Takasu	2338	Catalytic creation of channels in the surface layers of highly oriented pyrolytic graphite by cobalt nanoparticles
I. Eswaramoorthi and L.-P. Hwang	2341	Synthesis and characterisation of larger diameter multi-walled carbon nanotubes over anodic titanium oxide template
Z. Liu, A. Wang, X. Wang and T. Zhang	2345	Reduction of NO by Cu-carbon and Co-carbon xerogels

M. Olivares-Marín, C. Fernández-González, A. Macías-García and V. Gómez-Serrano	2347	Thermal behaviour of lignocellulosic material in the presence of phosphoric acid. Influence of the acid content in the initial solution
A. Méndez, M.M.A. Freitas and J.L. Figueiredo	2350	Synthesis of carbon filaments and nanotubes on a graphitic substrate: optimization studies
D. Han, S.-R. Qiao, M. Li, G.-F. Lu and J. Zhang	2354	Relationship between weight change and modulus decrease after thermo-exposure of 2D-C/SiC
M.K. van der Lee, A.J. van Dillen, J.W. Geus, K.P. de Jong and J.H. Bitter	2357	<i>Corrigendum</i> Corrigendum to "Catalytic growth of macroscopic carbon nanofiber bodies with high bulk density and high mechanical strength" [Carbon 44 (2006) 629–37]

Number 12 – Carbon for Energy Storage and Environment Protection

F. Béguin, S. Bonnamy, N. Cohaut and J.N. Rouzaud	2359	<i>Preface</i> CESEP Special issue
T. Morishita, Y. Soneda, T. Tsumura and M. Inagaki	2360	Preparation of porous carbons from thermoplastic precursors and their performance for electric double layer capacitors
K. Jurewicz, K. Babel, R. Pietrzak, S. Delpeux and H. Wachowska	2368	Capacitance properties of multi-walled carbon nanotubes modified by activation and ammoxidation
S. Agnihotri, J.P.B. Mota, M. Rostam-Abadi and M.J. Rood	2376	Adsorption site analysis of impurity embedded single-walled carbon nanotube bundles
J. Garcia, H.T. Gomes, Ph. Serp, Ph. Kalck, J.L. Figueiredo and J.L. Faria	2384	Carbon nanotube supported ruthenium catalysts for the treatment of high strength wastewater with aniline using wet air oxidation
F. Béguin, M. Friebe, K. Jurewicz, C. Vix-Guterl, J. Dentzer and E. Frackowiak	2392	State of hydrogen electrochemically stored using nanoporous carbons as negative electrode materials in an aqueous medium
A. Boyano, M.E. Gálvez, M.J. Lázaro and R. Moliner	2399	Characterization and kinetic study of carbon-based briquettes for the reduction of NO
C.O. Ania and T.J. Bandoz	2404	Metal-loaded polystyrene-based activated carbons as dibenzothiophene removal media via reactive adsorption
S. Giraudet, P. Pré, H. Tezel and P. Le Cloirec	2413	Estimation of adsorption energies using the physical characteristics of activated carbons and the molecular properties of volatile organic compounds
P.A.M. Mourão, P.J.M. Carrott and M.M.L. Ribeiro Carrott	2422	Application of different equations to adsorption isotherms of phenolic compounds on activated carbons prepared from cork
N. Liu, S. Zhang, R. Fu, M.S. Dresselhaus and G. Dresselhaus	2430	Carbon aerogel spheres prepared via alcohol supercritical drying
K. László and E. Geissler	2437	Surface chemistry and contrast-modified SAXS in polymer-based activated carbons
S.K. Jain, K.E. Gubbins, R.J.-M. Pellenq and J.P. Pikunic	2445	Molecular modeling and adsorption properties of porous carbons
J.P. Boudou, Ph. Parent, F. Suárez-García, S. Villar-Rodil, A. Martínez-Alonso and J.M.D. Tascón	2452	Nitrogen in aramid-based activated carbon fibers by TPD, XPS and XANES
A.F. Pérez-Cadenas, F. Kapteijn, J.A. Moulijn, F.J. Maldonado-Hódar, F. Carrasco-Marín and C. Moreno-Castilla	2463	Pd and Pt catalysts supported on carbon-coated monoliths for low-temperature combustion of xylenes
J.I. Paredes, A. Martínez-Alonso, P.-X. Hou, T. Kyotani and J.M.D. Tascón	2469	Imaging the structure and porosity of active carbons by scanning tunneling microscopy

Z.-M. Wang, K. Shishibori, K. Hoshino, H. Kanoh and T. Hirotsu	2479	Examination of synthesis conditions for graphite-derived nanoporous carbon-silica composites
R. Dash, J. Chmiola, G. Yushin, Y. Gogotsi, G. Laudiso, J. Singer, J. Fischer and S. Kucheyev	2489	Titanium carbide derived nanoporous carbon for energy-related applications
E. Raymundo-Piñero, K. Kierzek, J. Machnikowski and F. Béguin	2498	Relationship between the nanoporous texture of activated carbons and their capacitance properties in different electrolytes
D. Billaud, L. Balan, R. Schneider and P. Willmann	2508	The influence of the synthesis conditions of graphite/tin nanoparticle materials on their electrode electrochemical performance in Li-ion battery anodes
J.L. Figueiredo, M.F.R. Pereira, P. Serp, P. Kalck, P.V. Samant and J.B. Fernandes	2516	Development of carbon nanotube and carbon xerogel supported catalysts for the electro-oxidation of methanol in fuel cells
M. Hahn, O. Barbieri, R. Gallay and R. Kötz	2523	A dilatometric study of the voltage limitation of carbonaceous electrodes in aprotic EDLC type electrolytes by charge-induced strain
N. Job, F. Sabatier, J.-P. Pirard, M. Crine and A. Léonard	2534	Towards the production of carbon xerogel monoliths by optimizing convective drying conditions
C. Delabarre, M. Dubois, J. Giraudet, K. Guérin and A. Hamwi	2543	Electrochemical performance of low temperature fluorinated graphites used as cathode in primary lithium batteries
J. Starck, P. Burg, S. Muller, J. Bimer, G. Furdin, P. Fioux, C. Vix-Guterl, D. Begin, P. Faure and B. Azambre	2549	The influence of demineralisation and amoxidation on the adsorption properties of an activated carbon prepared from a Polish lignite
N. Yoshizawa, O. Tanaiki, H. Hatori, K. Yoshikawa, A. Kondo and T. Abe	2558	TEM and electron tomography studies of carbon nanospheres for lithium secondary batteries
J. Qiu, Q. Li, Z. Wang, Y. Sun and H. Zhang	2565	CVD synthesis of coal-gas-derived carbon nanotubes and nanocapsules containing magnetic iron carbide and oxide
N.H. Phan, S. Rio, C. Faur, L. Le Coq, P. Le Cloirec and T.H. Nguyen	2569	Production of fibrous activated carbons from natural cellulose (jute, coconut) fibers for water treatment applications
S.-I. Lee, K. Saito, K. Kanehashi, M. Hatakeyama, S. Mitani, S.-H. Yoon, Y. Korai and I. Mochida	2578	^{11}B NMR study of the BF_4^- anion in activated carbons at various stages of charge of EDLCs in organic electrolyte
<i>Letters to the Editor</i>		
J. Amadou, D. Begin, P. Nguyen, J.P. Tessonier, T. Dintzer, E. Vanhaecke, M.J. Ledoux and C. Pham-Huu	2587	Synthesis of a carbon nanotube monolith with controlled macroscopic shape
F. Vieira, I. Cisneros, N.G. Rosa, G.M. Trindade and N.D.S. Mohallem	2590	Influence of the natural flake graphite particle size on the textural characteristic of exfoliated graphite used for heavy oil sorption

Number 13

A. Kouprine, F. Gitzhofer, M. Boulos and T. Veres	2593	Synthesis of ferromagnetic nanopowders from iron pentacarbonyl in capacitively coupled RF plasma
K. Malladi, C. Wang and M. Madou	2602	Fabrication of suspended carbon microstructures by e-beam writer and pyrolysis
C.-L. Zhang and H.-S. Shen	2608	Buckling and postbuckling analysis of single-walled carbon nanotubes in thermal environments via molecular dynamics simulation
P. Lemoine, J.P. Quinn, P.D. Maguire and J.A.D. McLaughlin	2617	Measuring the thickness of ultra-thin diamond-like carbon films

H.J. Lee, Y.D. Lee, S.I. Moon, W.S. Cho, Y.-H. Lee, J.K. Kim, S.W. Hwang and B.K. Ju	2625	Enhanced surface morphologies of screen-printed carbon nanotube films by heat treatment and their field-emission properties
B. Xu, J. Guo, X. Wang, X. Liu and H. Ichinose	2631	Synthesis of carbon nanocapsules containing Fe, Ni or Co by arc discharge in aqueous solution
C. Nethravathi and M. Rajamathi	2635	Delamination, colloidal dispersion and reassembly of alkylamine intercalated graphite oxide in alcohols
M.J. Bleda-Martínez, D. Lozano-Castelló, E. Morallón, D. Cazorla-Amorós and A. Linares-Solano	2642	Chemical and electrochemical characterization of porous carbon materials
E.A. Ustinov and D.D. Do	2652	Effect of adsorption deformation on thermodynamic characteristics of a fluid in slit pores at sub-critical conditions
Y. Li, X. Shi and J. Hao	2664	Electrochemical behavior of glassy carbon electrodes modified by multi-walled carbon nanotube/surfactant films in a buffer solution and an ionic liquid
L.W. Wang, R.Z. Wang, Z.S. Lu, C.J. Chen, K. Wang and J.Y. Wu	2671	The performance of two adsorption ice making test units using activated carbon and a carbon composite as adsorbents
M. Machida, T. Mochimaru and H. Tatsumoto	2681	Lead(II) adsorption onto the graphene layer of carbonaceous materials in aqueous solution
H.J. Jeong, H.K. Choi, G.Y. Kim, Y.I. Song, Y. Tong, S.C. Lim and Y.H. Lee	2689	Fabrication of efficient field emitters with thin multiwalled carbon nanotubes using spray method
U. Ritter, P. Scharff, C. Siegmund, O.P. Dmytrenko, N.P. Kulish, Yu.I. Prylutsky, N.M. Belyi, V.A. Gubanov, L.I. Komarova, S.V. Lizunova, V.G. Poroshin, V.V. Shlapatskaya and H. Bernas	2694	Radiation damage to multi-walled carbon nanotubes and their Raman vibrational modes
J. Xiong, Z. Zheng, X. Qin, M. Li, H. Li and X. Wang	2701	The thermal and mechanical properties of a polyurethane/multi-walled carbon nanotube composite
W. Shao, Q. Wang, F. Wang and Y. Chen	2708	The cutting of multi-walled carbon nanotubes and their strong interfacial interaction with polyamide 6 in the solid state
L. Luo, D. Ramirez, M.J. Rood, G. Grevillot, K.J. Hay and D.L. Thurston	2715	Adsorption and electrothermal desorption of organic vapors using activated carbon adsorbents with novel morphologies
P.A. Georgiev, D.K. Ross, P. Albers and A.J. Ramirez-Cuesta	2724	The rotational and translational dynamics of molecular hydrogen physisorbed in activated carbon: A direct probe of microporosity and hydrogen storage performance
S. Wang and D.D.L. Chung	2739	Self-sensing of flexural strain and damage in carbon fiber polymer-matrix composite by electrical resistance measurement
L.-J. Li, M. Glerup, A.N. Khlobystov, J.G. Wiltshire, J.-L. Sauvajol, R.A. Taylor and R.J. Nicholas	2752	The effects of nitrogen and boron doping on the optical emission and diameters of single-walled carbon nanotubes
M.R. Maschmann, P.B. Amama, A. Goyal, Z. Iqbal and T.S. Fisher	2758	Freestanding vertically oriented single-walled carbon nanotubes synthesized using microwave plasma-enhanced CVD
B. Zhang, T. Wang, S. Zhang, J. Qiu and X. Jian	2764	Preparation and characterization of carbon membranes made from poly(phthalazinone ether sulfone ketone)
P.A. Troshin, A. Lapiński, A. Bogucki, M. Polomska and R.N. Lyubovskaya	2770	Preparation and spectroscopic properties of chlorofullerenes C ₆₀ Cl ₂₄ , C ₆₀ Cl ₂₈ , and C ₆₀ Cl ₃₀
H.-L. Zhang, Y. Zhang, X.-G. Zhang, F. Li, C. Liu, J. Tan and H.-M. Cheng	2778	Urchin-like nano/micro hybrid anode materials for lithium ion battery

- J. Xiao, Y. Liu, Y. Li, J. Ye, Y. Li, X. Xu, X. Li, H. Liu, C. Huang, S. Cui and D. Zhu 2785 Self-assembly and optical properties of hydrogen bonded nanostructures containing C_{60} and pyrene
- Y.-z. Song, G.-t. Zhai, J.-r. Song, G.-s. Li, J.-l. Shi, Q.-g. Guo and L. Liu 2793 Seal and wear properties of graphite from MCMBs/pitch-based carbon/phenolic-based carbon composites
- J. Koohsorkhi, Y. Abdi, S. Mohajerzadeh, H. Hosseinzadegan, V. Komijani and E.A. Soleimani 2797 Fabrication of self-defined gated field emission devices on silicon substrates using PECVD-grown carbon nano-tubes
- Y. Wang, Z. Iqbal and S. Mitra 2804 Rapid, low temperature microwave synthesis of novel carbon nanotube-silicon carbide composite
- S.C. Lim, H.K. Choi, H.J. Jeong, Y.I. Song, G.Y. Kim, K.T. Jung and Y.H. Lee 2809 A strategy for forming robust adhesion with the substrate in a carbon-nanotube field-emission array
- M. Sankaran and B. Viswanathan 2816 The role of heteroatoms in carbon nanotubes for hydrogen storage
- M.J. Bronikowski 2822 CVD growth of carbon nanotube bundle arrays
- K. Yoshimura, K. Nakano, T. Miyake, Y. Hishikawa and S. Motojima 2833 Effectiveness of carbon microcoils as a reinforcing material for a polymer matrix
- S. Orlanducci, V. Sessa, M.L. Terranova, G.A. Battiston, S. Battiston and R. Gerbasi 2839 Nanocrystalline TiO_2 on single walled carbon nanotube arrays: Towards the assembly of organized C/ TiO_2 nanosystems
- T. Luo, L. Chen, K. Bao, W. Yu and Y. Qian 2844 Solvothermal preparation of amorphous carbon nanotubes and Fe/C coaxial nanocables from sulfur, ferrocene, and benzene

Letters to the Editor

- J. Huo, H. Song, X. Chen and W. Lian 2849 Formation and transformation of carbon-encapsulated iron carbide/iron nanorods
- D. Zhang, L. Shi, H. Fu and J. Fang 2853 Ultrasonic-assisted preparation of carbon nanotube/cerium oxide composites
- L. Shao, G. Tobias, Y. Huh and M.L.H. Green 2855 Reversible filling of single walled carbon nanotubes opened by alkali hydroxides
- B. Guan, L. Wu, B. Ren and J. Zhi 2858 An easy method for attaching nanodiamond particles to amine active glass-like carbon
- X. Ma, F. Xu, L. Chen, Y. Zhang, Z. Zhang, J. Qian and Y. Qian 2861 Easy nickel substrate-assisted growth of uniform carbon microspheres and their spectroscopic properties
- J.M. Calderón-Moreno, A. Labarta, X. Battle, D. Crespo, V.G. Pol, S.V. Pol and A. Gedanken 2864 Magnetic properties of dense graphitic filaments formed via thermal decomposition of mesitylene in an applied electric field

Number 14

- C. de Almeida Filho and A.J.G. Zarbin 2869 Hollow porous carbon microspheres obtained by the pyrolysis of TiO_2 /poly(furfuryl alcohol) composite precursors
- S. Tang, J. Deng, W. Liu and K. Yang 2877 Mechanical and ablation properties of 2D-carbon/carbon composites pre-infiltrated with a SiC filler
- R. Langlet, M. Devel and Ph. Lambin 2883 Computation of the static polarizabilities of multi-wall carbon nanotubes and fullerites using a Gaussian regularized point dipole interaction model
- D. Benne, E. Maccallini, P. Rudolf, C. Soombar and M. Prato 2896 X-ray photoemission spectroscopy study on the effects of functionalization in fulleropyrrolidine and pyrrolidine derivatives
- A. Braun, F.E. Huggins, K.E. Kelly, B.S. Mun, S.N. Ehrlich and G.P. Huffman 2904 Impact of ferrocene on the structure of diesel exhaust soot as probed with wide-angle X-ray scattering and C(1s) NEXAFS spectroscopy

H. Ago, N. Uehara, N. Yoshihara, M. Tsuji, M. Yumura, N. Tomonaga and T. Setoguchi	2912	Gas analysis of the CVD process for high yield growth of carbon nanotubes over metal-supported catalysts
C.-M. Liu, H.-B. Cao, Y.-P. Li, H.-B. Xu and Y. Zhang	2919	The effect of electrolytic oxidation on the electrochemical properties of multi-walled carbon nanotubes
R. Rivelino, A.M. Maniero, F.V. Prudente and L.S. Costa	2925	Theoretical calculations of the structure and UV-vis absorption spectra of hydrated C ₆₀ fullerene
H. Ulbricht, R. Zacharia, N. Cindir and T. Hertel	2931	Thermal desorption of gases and solvents from graphite and carbon nanotube surfaces
J. Nishijo, C. Okabe, O. Oishi and N. Nishi	2943	Synthesis, structures and magnetic properties of carbon-encapsulated nanoparticles via thermal decomposition of metal acetylide
C. van Gulijk, K.M. de Lathouder and R. Haswell	2950	Characterizing herring bone structures in carbon nanofibers using selected area electron diffraction and dark field transmission electron microscopy
C.L. Burket, R. Rajagopalan, A.P. Marencic, K. Dronvajjala and H.C. Foley	2957	Genesis of porosity in polyfurfuryl alcohol derived nanoporous carbon
A.C. Lua and J. Su	2964	Effects of carbonisation on pore evolution and gas permeation properties of carbon membranes from Kapton [®] polyimide
L. Li, G. Wu and B.-Q. Xu	2973	Electro-catalytic oxidation of CO on Pt catalyst supported on carbon nanotubes pretreated with oxidative acids
J. Lee, T. Jeong, J. Heo, S.-H. Park, D. Lee, J.-B. Park, H. Han, Y. Kwon, I. Kovalev, S.M. Yoon, J.-Y. Choi, Y. Jin, J.M. Kim, K.H. An, Y.H. Lee and S. Yu	2984	Short carbon nanotubes produced by cryogenic crushing
W. Feng, E. Borguet and R.D. Vidic	2990	Sulfurization of carbon surface for vapor phase mercury removal – I: Effect of temperature and sulfurization protocol
W. Feng, E. Borguet and R.D. Vidic	2998	Sulfurization of a carbon surface for vapor phase mercury removal – II: Sulfur forms and mercury uptake
P. Delhaes, M. Couzi, M. Trinquecoste, J. Dentzer, H. Hamidou and C. Vix-Guterl	3005	A comparison between Raman spectroscopy and surface characterizations of multiwall carbon nanotubes
F. Cecchet, S. Rapino, M. Margotti, T. Da Ros, M. Prato, F. Paolucci and P. Rudolf	3014	Structural and electrochemical characterization of fullerene-based surfaces of C ₆₀ mono- or bis-adducts grafted onto self-assembled monolayers
E.T. Thostenson and T.-W. Chou	3022	Processing-structure-multi-functional property relationship in carbon nanotube/epoxy composites
K. Gjerde, T. Schurmann, I. Bu, K.B.K. Teo, W.I. Milne and P. Boggild	3030	Integration of carbon nanotubes with controllable inclination angle into micro-systems
S.M. Winder, D. Liu and J.W. Bender	3037	Synthesis and characterization of compound-curved graphite
B.A. Latella and T. Liu	3043	The initiation and propagation of thermal shock cracks in graphite
P.M. Ossi and A. Bailini	3049	Effect of ambient gas ionisation on the morphology of a pulsed laser deposited carbon film
K.M. de Lathouder, D. Lozano-Castelló, A. Linares-Solano, F. Kapteijn and J.A. Moulijn	3053	Carbon coated monoliths as support material for a lactase from <i>Aspergillus oryzae</i> : Characterization and design of the carbon carriers
H.C. Semmelhack, R. Höhne, P. Esquinazi, G. Wagner, A. Rahm, K.H. Hallmeier, D. Spemann and K. Schindler	3064	Growth of highly oriented graphite films at room temperature by pulsed laser deposition using carbon-sulfur targets

C. Wang, R. Zaouk and M. Madou	3073	Local chemical vapor deposition of carbon nanofibers from photoresist
L.J. Lanticse, Y. Tanabe, K. Matsui, Y. Kaburagi, K. Suda, M. Hoteida, M. Endo and E. Yasuda	3078	Shear-induced preferential alignment of carbon nanotubes resulted in anisotropic electrical conductivity of polymer composites
J. Li, Q. Zhang and M.B. Chan-Park	3087	Simulation of carbon nanotube based p-n junction diodes
V. De Pauw, A. Collin, W. Send, J. Hawecker, D. Gerthsen, A. Pfrang and Th. Schimmel	3091	Deposition rates during the early stages of pyrolytic carbon deposition in a hot-wall reactor and the development of texture
P.M. Álvarez, J.F. García-Araya, F.J. Beltrán, I. Giraldez, J. Jaramillo and V. Gómez-Serrano	3102	The influence of various factors on aqueous ozone decomposition by granular activated carbons and the development of a mechanistic approach
<i>Letters to the Editor</i>		
L. Kavan, M. Zúkalova, M. Kalbac, E. Ösawa and L. Dunsch	3113	Interaction of nanodiamond with in situ generated sp-carbon chains probed by Raman spectroscopy
A. Yan, X. Xiao, I. Külaots, B.W. Sheldon and R.H. Hurt	3116	Controlling water contact angle on carbon surfaces from 5° to 167°
L. Lin, P. Wang, S. Wang, Y. Zhu, B. Zhao and Y. Xie	3120	Nanoscale mesoporous carbon materials with different morphologies from carbon-covered alumina
S. Scalese, V. Scuderi, F. Simone, A. Pennisi, G. Compagnini and V. Privitera	3123	Growth of aligned CN _x nanocolumns on silicon by RF-magnetron sputtering
C.O. Ania, J. Pernak, F. Stefaniak, E. Raymundo-Piñero and F. Béguin	3126	Solvent-free ionic liquids as <i>in situ</i> probes for assessing the effect of ion size on the performance of electrical double layer capacitors
E. Castillejos-López, B. Bachiller-Baeza, D.M. Nevskaya, V. Muñoz, I. Rodríguez-Ramos and A. Guerrero-Ruiz	3130	Interactions between toluene and aniline and graphite surfaces
Y. Matsuo, Y. Matsumoto, T. Fukutsuka and Y. Sugie	3134	Reaction between dibutyltin oxide and graphite oxide
F. Zhang, J. Shen, J. Sun and D.G. McCartney	3136	Direct synthesis of diamond from low purity carbon nanotubes
X. Li, Y. Liu, L. Fu, L. Cao, D. Wei, G. Yu and D. Zhu	3139	Direct route to high-density and uniform assembly of Au nanoparticles on carbon nanotubes
Y.H. Kang, J.H. Lee, S.C. Hwang, J.B. Shim, E.H. Kim and S.W. Park	3142	Electrodeposition characteristics of uranium by using a graphite cathode
P. Westreich, S. Selig, H. Fortier and J.R. Dahn	3145	Two distinct Langmuir isotherms describe the adsorption of certain salts onto activated carbon over a wide concentration range

Number 15

<i>Review Paper</i>		
A.R. Boccaccini, J. Cho, J.A. Roether, B.J.C. Thomas, E. Jane Minay and M.S.P. Shaffer	3149	Electrophoretic deposition of carbon nanotubes
<i>Regular Papers</i>		
D. Yang, J. Hu and C. Wang	3161	Synthesis and characterization of pH-responsive single-walled carbon nanotubes with a large number of carboxy groups
H. Tabata, M. Fujii, S. Hayashi, T. Doi and T. Wakabayashi	3168	Raman and surface-enhanced Raman scattering of a series of size-separated polyynes

A. Grüneis, M.H. Rummeli, C. Kramberger, A. Barreiro, T. Pichler, R. Pfeiffer, H. Kuzmany, T. Gemming and B. Büchner	3177	High quality double wall carbon nanotubes with a defined diameter distribution by chemical vapor deposition from alcohol
M. Monthieux, H. Allouche and R.L. Jacobsen	3183	Chemical vapour deposition of pyrolytic carbon on carbon nanotubes. Part 3: Growth mechanisms
F.-B. Zhang and H.-L. Li	3195	One step synthesis of Pd/C composite via a microwave-assisted ionic liquid method and its electrocatalytic characteristics
P. Finnie, A. Li-Pook-Than, J. Lefebvre and D.G. Austing	3199	Optimization of methane cold wall chemical vapor deposition for the production of single walled carbon nanotubes and devices
N. Sluzarenko, B. Heurtefeu, M. Maugey, C. Zakri, P. Poulin and S. Lecommandoux	3207	Diblock copolymer stabilization of multi-wall carbon nanotubes in organic solvents and their use in composites
R.D. Gunning, M. Venkatesan, D.H. Grayson and J.M.D. Coey	3213	Magnetic properties of CN _x whiskers
K.-P. Wang and H. Teng	3218	The performance of electric double layer capacitors using particulate porous carbons derived from PAN fiber and phenol-formaldehyde resin
D. Xu, H. Liu, L. Yang and Z. Wang	3226	Fabrication of superhydrophobic surfaces with non-aligned alkyl-modified multi-wall carbon nanotubes
P.C. Ma, J.-K. Kim and B.Z. Tang	3232	Functionalization of carbon nanotubes using a silane coupling agent
G.A. Zickler, B. Smarsly, N. Gierlinger, H. Peterlik and O. Paris	3239	A reconsideration of the relationship between the crystallite size L_a of carbons determined by X-ray diffraction and Raman spectroscopy
D. Kaplan, I. Nir and L. Shmueli	3247	Effects of high relative humidity on the dynamic adsorption of dimethyl methylphosphonate (DMMP) on activated carbon
J.-H. Zhou, Z.-J. Sui, P. Li, D. Chen, Y.-C. Dai and W.-K. Yuan	3255	Structural characterization of carbon nanofibers formed from different carbon-containing gases
A.E. Kravchik, Ju.A. Kukushkina, V.V. Sokolov and G.F. Tereshchenko	3263	Structure of nanoporous carbon produced from boron carbide
W. Guo, H. Xiao, E. Yasuda and Y. Cheng	3269	Oxidation kinetics and mechanisms of a 2D-C/C composite
Z. Wang, P. Xiao and N. He	3277	Synthesis and characteristics of carbon encapsulated magnetic nanoparticles produced by a hydrothermal reaction
V.G. Pol, S.V. Pol, J.M. Calderon Moreno and A. Gedanken	3285	High yield one-step synthesis of carbon spheres produced by dissociating individual hydrocarbons at their autogenic pressure at low temperatures
L.A. Montoro and J.M. Rosolen	3293	A multi-step treatment to effective purification of single-walled carbon nanotubes
E. Pollak, G. Salitra, A. Soffer and D. Aurbach	3302	On the reaction of oxygen with nitrogen-containing and nitrogen-free carbons
W. Merchan-Merchan, A.V. Saveliev and L.A. Kennedy	3308	Flame nanotube synthesis in moderate electric fields: From alignment and growth rate effects to structural variations and branching phenomena
Z. Gu, K. Wang, J. Wei, C. Li, Y. Jia, Z. Wang, J. Luo and D. Wu	3315	Tensile properties of ultrathin double-walled carbon nanotube membranes
A. Allouche and Y. Ferro	3320	Dissociative adsorption of small molecules at vacancies on the graphite (0 0 0 1) surface
Y.-L. Hsin, J.-Y. Lai, K.C. Hwang, S.-C. Lo, F.-R. Chen and J.J. Kai	3328	Rapid surface functionalization of iron-filled multi-walled carbon nanotubes
M. Nagatsu, T. Yoshida, M. Mesko, A. Ogino, T. Matsuda, T. Tanaka, H. Tatsuoka and K. Murakami	3336	Narrow multi-walled carbon nanotubes produced by chemical vapor deposition using graphene layer encapsulated catalytic metal particles

S. Stankovich, R.D. Piner, S.T. Nguyen and R.S. Ruoff	3342	Synthesis and exfoliation of isocyanate-treated graphene oxide nanoplatelets
<i>Letters to the Editor</i>		
R. Gadiou, A. Didion, S.-E. Saadallah, M. Couzi, J.-N. Rouzaud, P. Delhaes and C. Vix-Guterl	3348	Graphitization of carbons synthesized in a confined geometry
S. Yang, X. Chen and S. Motojima	3352	Tactile sensing properties of protein-like single-helix carbon microcoils
M. Miyazaki, Y. Miura, K. Yui, H. Uchida, K. Itatani and S. Koda	3356	Morphology change under pulsed laser irradiation of carbon particles suspended in water
J.-i. Ozaki, T. Anahara, N. Kimura and A. Oya	3358	Simultaneous doping of boron and nitrogen into a carbon to enhance its oxygen reduction activity in proton exchange membrane fuel cells
Q.-G. Fu, H.-J. Li, K.-Z. Li, X.-H. Shi and M. Huang	3361	A MoSi ₂ -SiC-Si/glass oxidation protective coating for carbon/carbon composites
A. Yoshida, Y. Kaburagi and Y. Hishiyama	3364	The 0 0 / fiber texture of high quality coal-tar pitch-based carbon fiber
Z. Fang, X. Cao, C. Li, H. Zhang, J. Zhang and H. Zhang	3368	Investigation of carbon foams as microwave absorber: Numerical prediction and experimental validation
M.-X. Wang, C.-Y. Wang, X.-L. Zhang and W. Zhang	3371	Effects of the stabilization conditions on the structural properties of mesophase-pitch-based carbon foams
G.-X. Chen, H.-S. Kim, B.-H. Park and J.-S. Yoon	3373	Highly insulating silicone composites with a high carbon nanotube content
C.-S. Han, J.-K. Park, Y.-H. Yoon and Y.-H. Shin	3375	Controlled modification of the morphology and structure of carbon nanotube probes using a focused ion beam
	3379	New Carbon Materials 2006, 21(2)—Abstracts
	3384	Tanso 223—Abstracts

Author Index

- Abbas, M. 866
 Abdi, Y. 2797
 Abe, T. 203, 2558
 Abe, Y. 1592
 Adams, J.B. 231
 Adjaye, J. 2236
 Adnot, A. 1438
 Agafonov, V. 2015
 Agnihotri, S. 2376
 Ago, H. 2912
 Agrawal, S. 1595
 Ahn, J.-P. 1826
 Aksenov, V.L. 954
 Albers, P. 2724
 Alberti, M. 840
 Alcántara, R. 1762
 Alexander, A.J. 341
 Allouche, A. 3320
 Allouche, H. 3183
 Allouchi, H. 2015
 Almazán-Almazán, M.C. 638
 Alonso, A. 441
 Álvarez, P.M. 407
 Álvarez-Merino, M.A. 2335
 Álvarez, P.M. 3102
 Amadou, J. 2587
 Amama, P.B. 10, 2758
 An, K.H. 2984
 Anahara, T. 3358
 Anderson, P.E. 2184
 Andreola, F. 1100
 Andrews, R.J. 341
 Ania, C.O. 2404, 3126
 Anoshkina, E.V. 1013
 Antunes, E.F. 2202
 Aonuma, S. 2091
 Aoyagi, Y. 435
 Arai, S. 1309
 Araújo-Moreira, F.M. 565
 Arenillas, A. 1376
 Ariga, K. 530
 Armentano, I. 2196
 Arrais, A. 587
 Artemov, V.V. 2289
 Arulepp, M. 2122
 Asai, S. 1913
 Asedegbega-Nieto, E. 804
 Asthana, R. 46
 Aurbach, D. 3302
 Austing, D.G. 3199
 Avdeev, M.V. 954
 Ávila-Brande, D. 753
 Awano, H. 1180
 Azambre, B. 2549
 Babel, K. 2368
 Bachiller-Baeza, B. 3130
 Bachmann, P.K. 225
 Bahl, O.P. 699
 Bai, S. 2212
 Bai, Y.-J. 1773
 Bailini, A. 3049
 Bakandritsos, A. 1906
 Balan, L. 2508
 Bandiera, D. 1518
 Bandosz, T.J. 2404
 Bandow, S. 1853
 Banerjee, S. 480, 488
 Bao, K. 2844
 Baquey, Ch. 1093
 Baranowski, P. 1057
 Barbieri, O. 2523
 Bardhan, K.K. 948
 Bareille, R. 1093
 Barnes, P.A. 1189
 Barreiro, A. 3177
 Battle, X. 2864
 Battiston, G.A. 2839
 Battiston, S. 2839
 Beechem, T. 1548
 Begin, D. 2549, 2587
 Béguin, F. 814, 1106, 2359, 2392, 2498, 3126
 Bellouard, C. 259
 Beltrán, F.J. 3102
 Belyi, N.M. 2694
 Bender, J.W. 3037
 Benne, D. 2896
 Bergamaschi, A. 1302
 Berger, C. 593
 Bernardi, J. 1958
 Bernas, H. 2694
 Bernier, P. 1100
 Betz, W.R. 1258
 Bhatia, S.K. 646
 Biedermann, K. 1746, 2316
 Biennier, L. 1267
 Billaud, D. 2508
 Bimer, J. 2549
 Biris, A.R. 2032
 Biris, A.S. 2032
 Bitter, J.H. 629, 2357
 Blackman, J.M. 918, 1376
 Blanco, C. 441
 Blanco, J.A. 1954
 Blau, W.J. 1525, 1624
 Bleda-Martinez, M.J. 2642
 Blickley, T.M. 1112
 Bliznyuk, V. 2191
 Boccacini, A.R. 3149
 Boccaleri, E. 587
 Boggild, P. 3030
 Bogucki, A. 2770
 Böhlmann, W. 1173
 Bondi, S.N. 1393
 Bongiorno, G. 1518
 Bonnamy, S. 2359
 Borchardt, E. 718
 Borguet, E. 1203, 2990, 2998
 Bose, B. 1982
 Bottini, M. 1302
 Boudou, J.-P. 2015
 Boudou, J.P. 2452
 Boulos, M. 2593
 Bououdina, M. 2273
 Bourlins, A.B. 1906
 Bourrat, X. 1565, 1833
 Boyano, A. 2399
 Braun, A. 1316, 2904
 Brisson, P.-Y. 1438
 Bronikowski, M.J. 2822
 Brown, A. 1699
 Brydson, R. 1699
 Bu, I. 3030
 Buchholz, D.B. 1511
 Büchner, B. 1746, 2316, 3177
 Bunesco, M.-C. 718
 Burchell, T.D. 618
 Burg, P. 2549
 Burghammer, M. 1121
 Burket, C.L. 2957
 Byeon, J.H. 2106
 Byk, T.V. 1862
 Byl, O. 2039
 Bystrzejewski, M. 1057
 Cahen, S. 259
 Calderon Moreno, J.M. 3285
 Calderón-Moreno, J.M. 2864
 Calderon-Moreno, J.M. 1913
 Cao, F. 1305
 Cao, G. 590
 Cao, H.-B. 2919
 Cao, L. 3139
 Cao, X. 1342, 3367
 Caps, V. 820
 Carbone, D. 671
 Carpenter, G.J.C. 1779
 Carrasco-Marin, F. 2301, 2463
 Carroll, D.L. 1695
 Carrott, M.M.L.R. 1158
 Carrott, P.J.M. 1158, 2422
 Casabó, J. 1891
 Cassady, A.I. 1034
 Castillejos-López, E. 3130
 Cazorla-Amorós, D. 1121, 1455, 2642
 Cecchet, F. 3014
 Chai, G. 1013
 Chai, Y. 687
 Chakrabarti, K. 948
 Chan-Park, M.B. 3087
 Chang, C.P. 508, 2323
 Chang, F. 184
 Chang, R.P.H. 1511
 Chau, P.C. 284, 854
 Chazan, R. 1057
 Chen, C. 1535
 Chen, C.-M. 1808
 Chen, C.J. 747, 2671
 Chen, D. 778, 3255
 Chen, F.-R. 3328
 Chen, G.-X. 3372
 Chen, J. 608, 2142
 Chen, L. 179, 2844, 2861
 Chen, P. 692
 Chen, Q. 190, 1305, 2171
 Chen, W. 381, 423, 2261
 Chen, X. 165, 381, 596, 730, 2849, 3352
 Chen, Y. 37, 67, 1331, 2708
 Chen, Z. 225, 428
 Chen, Z.P. 79
 Chen, Z.W. 1544
 Cheng, G. 742
 Cheng, H.-M. 216, 2212, 2778
 Cheng, J.P. 1425
 Cheng, L. 121, 1589
 Cheng, Y. 3269
 Chiashi, S. 1414
 Chiba, T. 1754
 Chinn, M.J. 1189
 Chino, T. 1592
 Chiou, J.W. 1982
 Chioujones, K.M. 284
 Chlopek, J. 1106
 Chmiola, J. 2489
 Cho, J. 3149
 Cho, S.H. 1862
 Cho, W.S. 2625
 Choi, H.K. 2689, 2809
 Choi, J.-Y. 2984
 Choi, S.K. 1491
 Chollon, G. 1833
 Chou, T.-W. 3022
 Chow, L. 1013
 Chu, W. 1313
 Chun, K.-Y. 1491
 Chung, D.D.L. 435, 1496, 2130, 2739
 Ci, L. 2155
 Cindir, N. 2931
 Ciogli, A. 1609
 Cisneros, I. 2590
 Ciuparu, D. 67
 Coey, J.M.D. 3213
 Cohaut, N. 2359
 Coleman, J.N. 1525, 1624
 Collin, A. 3091
 Compagnini, G. 2093, 3123
 Concheso, A. 1762
 Conesa, J.A. 1572
 Corat, E.J. 2202
 Coreno, M. 1518
 Costa, L.S. 2925
 Couzi, M. 3005, 3348
 Coville, N.J. 1476
 Crawford, G.P. 2102
 Crelling, J.C. 792
 Crespo, D. 2864
 Crine, M. 2534
 Cui, J. 1353
 Cui, L. 1859, 2330

- Cui, S. 2785
 Curry, D.M. 1142
 Czajkowska, B. 1106
 Czumińska, K. 1057

 Da Ros, T. 3014
 Dahn, J.R. 3145
 Dai, H.L. 167
 Dai, Y.-C. 3255
 Dai, Y.-M. 1808
 Dalai, A. 2236
 Dariol, L. 1319
 Darristadt, H. 1438
 Das, N. 2236
 DasGupta, D. 1982
 Dash, R. 2489
 Davidson, J.H. 560
 Davidson, J.L. 2308
 Davydov, V.A. 2015
 Dawson, E.A. 1189
 Dawson, M.I. 1302
 dea Engelsen, D. 225
 de Almeida Filho, C. 2869
 de Jager, S.G.E. 441
 de Jong, K.P. 629, 2357
 de la Fuente, J.L.G. 1919
 de Lathouder, K.M. 2950, 3053
 de Lecea, C.S.-M. 605
 de Lima, O.F. 565
 De Pauw, V. 3091
 de Simone, M. 1518
 Deck, C.P. 267
 Deistung, K. 718
 Dékány, I. 537
 Delabarre, C. 2543
 Delgado, J.J. 809
 Delhaës, P. 1319, 3005, 3348
 Delpoux, S. 2368
 Delpoux-Ouldiane, S. 814
 Dementev, N. 1203
 Deng, J. 2877
 Dentzer, J. 2392, 3005
 Dettlaff-Weglikowska, U. 1292
 Deutschmann, O. 1335, 1790
 Devel, M. 2883
 Dhami, T.L. 699
 di Stasio, S. 1267
 Di, Y. 1342
 Diana, E. 587
 Didion, A. 3348
 Ding, J. 2330
 Ding, R.G. 216
 Ding, Y. 61
 Dintzer, T. 2587
 Dmytrenko, O.P. 2694
 Do, D.D. 653, 2652
 Doherty, S.P. 1511
 Doi, T. 3168
 Doktycz, M.J. 1503
 Domingo-García, M. 638
 Dominguez, A. 1158
 Dong, C. 828
 Donnet, J.B. 374
 Dou, X. 170
 Dresselhaus, G. 675, 873, 2430
 Dresselhaus, M.S. 675, 873, 1130, 2430
 Dronavajjala, K. 2957
 Drown, E. 2002
 Drzal, L.T. 2002
 Du, F. 1331
 Du, J. 888
 Du, X.W. 1353, 1859, 2330
 Du, Y. 179
 Du, Y.W. 423
 Duan, X. 1581

 Dubois, M. 2543
 Dueñas, J.A. 1604
 Dunn, B. 1718
 Dunsch, L. 99, 2147, 3113
 Durrieu, M.C. 1093
 D'Urso, L. 2093
 Dwivedi, H. 699
 Dwivedi, K.K. 907

 Edwards, W.F. 243
 Eftekhari, A. 1350
 Ehrlich, S.N. 2904
 Eksiolu, B. 360
 Elefant, D. 1746, 2316
 Elgafy, A. 1682, 2080
 Endo, M. 724, 1079, 1130, 1225, 1309, 1592, 3078
 Enoki, T. 1225
 Esquinazi, P. 3064
 Eswaramoorthi, I. 2341

 Faccio, R. 565
 Fafard, M. 1438
 Fairén-Jiménez, D. 2301
 Falcao, E.H.L. 1718
 Fan, T.-X. 900
 Fan, Y. 1851
 Fan, Y.-Y. 2160
 Fang, H. 1367
 Fang, J. 2853
 Fang, Z. 3367
 Faria, J.L. 2384
 Fathollahi, B. 284, 854
 Faur, C. 2569
 Faure, P. 2549
 Feaver, A. 590
 Fedtke, P. 718
 Fei, B. 2261
 Fei, L. 828
 Fenelonov, V.B. 653
 Feng, H.-M. 2059
 Feng, L. 1848
 Feng, Q.-P. 599
 Feng, T. 418
 Feng, W. 1203, 2990, 2998
 Feng, X. 1203
 Fernandes, J.B. 2516
 Fernández-González, C. 2347
 Ferro, Y. 3320
 Fierro, J.L.G. 84, 407, 1919
 Figueiredo, J.L. 2350, 2384, 2516
 Filip, P. 792
 Finnie, P. 3199
 Fiorito, S. 1100
 Fioux, P. 2549
 Fischer, J. 2489
 Fisher, T.S. 10, 2758
 Flahaut, E. 1093
 Fletcher, A.J. 989, 1455
 Foley, H.C. 2051, 2957
 Fontecha-Cámara, M.A. 2335
 Fortier, H. 3145
 Fowlkes, J.D. 1503
 Frackowiak, E. 814, 1106, 2392
 Fraissard, J. 1173
 Fravel, B.W. 1936
 Fraxedas, J. 1891
 Freitas, M.M.A. 2350
 Friebe, M. 2392
 Fu, H. 2853
 Fu, L. 3139
 Fu, Q.-G. 602, 1198, 3360
 Fu, R. 675, 2430
 Fuertes, A.B. 468, 1954
 Fujii, H. 983

 Fujii, M. 522, 3168
 Fukutsuka, T. 3134
 Furdin, G. 2549
 Furuichi, A. 1328

 Gabriel, G. 1891
 Gadiou, R. 3348
 Gallay, R. 2523
 Gallego, N.C. 618
 Gálvez, M.E. 2399
 Gan, C.H. 37
 Gan, L.-H. 496
 Gandhi, D. 1595
 Ganesan, K. 907
 Gao, C. 211, 724
 Gao, M. 516
 Gao, X. 939
 Gao, Y.-F. 599, 1613
 Garamus, V.M. 954
 García-Araya, J.F. 3102
 García-Bordeje, E. 407
 Garcia, J. 2384
 Garsuch, A. 593, 1173
 Garvie, L.A.J. 158
 Gasparini, F. 1609
 Gat, R. 10
 Gaur, V. 46
 Gedanken, A. 1913, 2864, 3285
 Geise, H.J. 1425
 Geissler, E. 2437
 Gemming, T. 812, 2316, 3177
 Georgakilas, V. 848
 Georgiev, P.A. 2724
 Gerbasi, R. 2839
 Gerthsen, D. 1335, 3091
 Geus, J.W. 629, 2357
 Giannelis, E.P. 1906
 Gierlinger, N. 3239
 Gihm, S.H. 1016
 Giorgi, R. 671
 Giraldez, I. 3102
 Giraudet, J. 2543
 Giraudet, S. 1873, 2413
 Gitzhofer, F. 2593
 Gjerd, K. 3030
 Gjoka, M. 1906
 Glamazda, A. Yu. 1292
 Glaser, R. 593
 Glerup, M. 2752
 Gogotsi, Y. 2489
 Goh, S.H. 613
 Golman, B. 578
 Gomes, H.T. 2384
 Gómez-Herrero, A. 753
 Gómez-Serrano, V. 407, 2347, 3102
 Gomibuchi, E. 983
 Gong, J. 1218
 González, J.L. 1572
 Gonzalez, D. 1604, 2099
 Gorria, P. 1954
 Goyal, A. 10, 2758
 Granda, M. 441
 Grant, D.M. 2273
 Grayson, D.H. 3213
 Grebel, H. 608
 Green, M.L.H. 2855
 Grevillot, G. 2715
 Grigoros, K. 1604
 Grigoriev, Yu.V. 2289
 Grishina, A.D. 113
 Grothe, H. 546
 Grubek-Jaworska, H. 1057
 Grüneis, A. 873, 3177
 Grunlan, J.C. 1974
 Gu, Y. 1589

 Gu, Z. 176, 475, 516, 3315
 Guan, B. 2858
 Guan, L. 516
 Guan, Q.-F. 913
 Gubanov, V.A. 2694
 Gubbins, K.E. 2445
 Guérin, K. 2543
 Guerrero-Ruiz, A. 804, 3130
 Gun'ko, Y.K. 1624
 Gunning, R.D. 3213
 Gun'ko, V.M. 1258
 Guo, J. 152, 2631
 Guo, L.-J. 1198
 Guo, L.-R. 599
 Guo, Q. 1298
 Guo, Q.-g. 2793
 Guo, R. 1367
 Guo, W. 3269
 Guo, X.-Y. 2254
 Guo, Y. 1464
 Guzman, J.E. 2069

 Haasch, M.L. 1112
 Hagiwara, R. 664
 Hahn, M. 2523
 Haller, G.L. 67
 Hallmeier, K.H. 3064
 Hamidou, H. 3005
 Hampel, S. 1746, 2316
 Hamwi, A. 2543
 Han, B. 888
 Han, C.-S. 3375
 Han, D. 2354
 Han, H. 2984
 Han, H.-b. 496
 Han, J.C. 962
 Han, J.H. 1826
 Han, M. 211
 Hancz, A. 1665
 Hani, H. 1079
 Hao, C. 475
 Hao, J. 894, 2664
 Hart, A.J. 348
 Haswell, R. 2950
 Hatakeyama, M. 2578
 Hatakeyama, R. 1586
 Hatori, H. 2558
 Hauke, F. 1958
 Havel, J. 840
 Hawecker, J. 3091
 Hay, K.J. 2715
 Hayashi, J.-i. 1754
 Hayashi, S. 522, 3168
 Hayashi, T. 1079, 1130, 1225
 Hayes, D. 293
 He-Jun, L. 1866
 He, C.N. 1859, 2330
 He, J. 211, 692
 He, N. 3277
 He, S. 1218
 He, X.D. 962
 He, Y. 184
 Hensley, D.K. 1503
 Hentsche, M. 812
 Heo, J. 2984
 Hermann, H. 812
 Herndon, W.C. 447
 Hertel, T. 2931
 Hess, D.W. 253
 Heurtefeu, B. 3207
 Higuchi, A. 1180
 Hino, T. 880
 Hiraoka, T. 1853
 Hirata, T. 1586
 Hirotsu, T. 2479

- Hirsch, A. 1958
 Hishikawa, Y. 2833
 Hishiyama, Y. 1225, 2333, 3363
 Ho, G.W. 2323
 Ho, J.H. 508
 Ho, W. 284
 Ho, Y.H. 2323
 Hoffman, W.P. 284, 854
 Höhne, R. 3064
 Hong, S.H. 187
 Hoshino, K. 2479
 Hossain, K.Z. 530
 Hosseinzadegan, H. 2797
 Hoteida, M. 3078
 Hou, P.-X. 2469
 Hsieh, W.-J. 107
 Hsin, Y.-L. 3328
 Hu, C. 428
 Hu, G. 1969
 Hu, G.-H. 692
 Hu, J. 1581, 3161
 Hu, L. 1725
 Hu, Q. 1357
 Hu, S. 428
 Hu, X.J. 1151
 Hu, Z.-B. 602
 Huang, B. 1690
 Huang, B.-y. 463
 Huang, C. 2785
 Huang, H.-X. 2115
 Huang, J.G. 1808
 Huang, M. 3360
 Huang, R.-B. 1166
 Huang, S.L. 423
 Huang, T.-S. 107
 Huang, Y. 456, 1331
 Huang, Y.C. 508
 Huang, Z. 1598, 2171
 Huang, Z.-Y. 1613
 Huaux, F. 1048
 Huczko, A. 724, 1057
 Huffman, G.P. 2904
 Huggins, F.E. 2904
 Huh, Y. 2855
 Hung, K.-H. 859
 Huo, J. 2849
 Hurt, R.H. 1028, 2102, 3116
 Hutchison, J.L. 2289
 Hüttinger, K.J. 1790
 Huu, T. Le 374
 Hwang, E.C. 1862
 Hwang, J. 2106
 Hwang, K.C. 3328
 Hwang, L.-P. 2341
 Hwang, S.C. 3142
 Hwang, S.W. 2625

 Ibrahim, K. 866
 Ichikawa, T. 983
 Ichinose, H. 2631
 Iijima, S. 818, 1853
 Ikegami, K. 2002
 Illés, E. 537
 Imai, S. 1130
 Imaoka, T. 187
 Inagaki, M. 2360
 Inman, A.O. 1070
 Inoue, S. 1287
 Iqbal, Z. 10, 1235, 2758, 2804
 Isobe, S. 983
 Itatani, K. 3355
 Ito, Y. 664
 Iwasaki, T. 2009
 Izumida, T. 1586

 Jacob, K.I. 1740
 Jacobsen, R.L. 3183
 Jacobson, N.S. 1142
 Jafarkhani, P. 1350
 Jain, S.K. 2445
 Janča, J. 840
 Jane Minay, E. 3149
 Jang, W.-S. 1974
 Jaramillo, J. 3102
 Jason Jan, C. 1974
 Jehng, J.-M. 1808
 Jeong, H.J. 2689, 2809
 Jeong, T. 2984
 Ji, J.H. 2106
 Jia, J. 19, 1367
 Jia, X. 894, 913
 Jia, Y. 3315
 Jian, K. 2102
 Jian, X. 2764
 Jiang, D. 1342
 Jiang, H. 1604, 2099
 Jiang, H.Y. 423
 Jiang, J. 873
 Jiang, K. 203
 Jiang, L. 152, 1342, 1848
 Jiang, P. 1313
 Jiang, Q. 79
 Jiménez-Mateos, J.M. 1762
 Jin, G.-Q. 2254
 Jin, Y. 2984
 Jin, Y.-W. 2219
 Jin, Y.Z. 724
 Jing, Q. 1544
 Job, N. 2534
 Johnson, R.W. 1393
 Joo, J.B. 389
 Jorio, A. 873
 Ju, B.K. 2625
 Juan, P. 1367
 Jung, K. 833, 2114
 Jung, K.T. 2809
 Jurewicz, K. 2368, 2392

 Kaburagi, Y. 1225, 2333, 3078, 3363
 Kai, J.J. 3328
 Kajitani, H. 1130
 Kalbáč, M. 99, 2147
 Kalbac, M. 3113
 Kalck, P. 2516
 Kalck, Ph. 2384
 Kalinin, A.A. 2027
 Kanda, H. 913
 Kane, A. 1028
 Kanehashi, K. 2578
 Kaneko, K. 1884
 Kang, F. 1339
 Kang, H.J. 1491
 Kang, S.K. 389
 Kang, T.J. 833, 1898, 2114
 Kang, Y.H. 3142
 Kanoh, H. 1884, 2479
 Kaplan, D. 3247
 Kapteijn, F. 173, 2463, 3053
 Karachevtsev, V.A. 1292
 Karakassides, M. 848, 1906
 Kartel, M.T. 1019
 Karwa, M. 1235
 Katcho, N.A. 753
 Kato, T. 1586
 Kaufmann, A. 301, 2160
 Kauppinen, E.I. 1604, 2099
 Kavan, L. 99, 2147, 3113
 Kawakami, H. 1130
 Kawarada, H. 2009
 Kawasaki, S. 2139

 Ke-Zhi, L. 1866
 Keidar, M. 1022
 Keim, E.G. 974
 Keller, N. 809
 Kelly, K.E. 2904
 Kennedy, L.A. 3308
 Kennel, E.B. 1535
 Kenny, J.M. 2196
 Khan, A.Y. 182
 Khan, U. 1624
 Khlobystov, A.N. 2752
 Khrutchinskii, A.A. 2246
 Kierzek, K. 2498
 Kikuchi, Y. 195, 1287
 Kim, C. 948
 Kim, C.-W. 807, 1530
 Kim, E.H. 3142
 Kim, E.J. 2219
 Kim, G.Y. 2689, 2809
 Kim, H.-S. 3372
 Kim, H.J. 1862
 Kim, H.S. 1346
 Kim, J.-K. 768, 3232
 Kim, J.-M. 2219
 Kim, J.A. 1898
 Kim, J.H. 1963
 Kim, J.K. 2625
 Kim, J.M. 1862, 2984
 Kim, J.Y. 1862
 Kim, K.B. 1963
 Kim, P. 389
 Kim, W. 389
 Kim, Y.-A. 1079
 Kim, Y.-J. 1592
 Kim, Y.A. 1130
 Kim, Y.J. 724, 1309
 Kim, Y.S. 1974
 Kimura, K. 983
 Kimura, N. 1328, 3358
 Kimura, T. 2091
 Kimura, Y. 1870
 Kingsley, M.L. 560
 Kiricsi, I. 1665
 Kiselev, N.A. 2289
 Kislov, M.B. 2289
 Kizuka, T. 2265
 Klein-Hoffmann, A. 2254
 Klein, K.L. 1503
 Klepel, O. 593, 1173
 Klett, J.W. 618
 Knapp, A. 1022
 Knauff, A.R. 1936
 Ko, B.J. 2106
 Ko, T.-H. 859
 Kobayashi, M. 1130
 Koda, S. 3355
 Koehler, I. 225
 Komarova, L.I. 2694
 Komatsu, N. 2091
 Komijani, Y. 2797
 Kondo, A. 2558
 Kong, B.Y. 1862
 Konishi, S. 2338
 Koohsorkhi, J. 2797
 Korai, Y. 2578
 Kötzt, R. 2523
 Kouprine, A. 2593
 Kovalev, I. 2984
 Koyama, H. 1079
 Koyama, S. 1079
 Kozanecki, M. 2178
 Kramberger, C. 3177
 Krause, M. 1420
 Kravchik, A.E. 3263
 Krestinin, A.V. 2289

 Krivenko, T.V. 113
 Kroto, H.W. 724
 Kuang, Q. 1166
 Kucheyev, S. 2489
 Kuhn, A. 1942
 Kukushkina, Ju.A. 3263
 Külaots, I. 2102, 3116
 Kulesza, S. 2178
 Kulish, N.P. 2694
 Kumagai, T. 578
 Kumar, A. 1595
 Kundu, S. 2224
 Kuramoto, N. 880
 Kuroda, K. 2265
 Kuroiwa, N. 1079
 Kuura, A. 2122
 Kuzmany, H. 1420, 1958, 3177
 Kuznetsov, V.L. 1621
 Kwon, M.H. 2219
 Kwon, Y. 2984
 Kyotani, T. 2469
 Kyung, S.-J. 807, 1530

 La Parola, V. 84
 Labarta, A. 2864
 Lackey, W.J. 1393
 Lafdi, K. 1548, 1682, 2080
 Lahiff, E. 1525
 Lai, J.-Y. 3328
 Lai, S.-H. 107
 Lair, S.L. 447
 Lake, R. 1730
 Lambin, Ph. 2883
 Landa-Cánovas, A.R. 753
 Lange, H. 1057
 Langlet, R. 2883
 Lanticse, L.J. 3078
 Lapiński, A. 2770
 László, K. 2437
 Latella, B.A. 3043
 Lätt, M. 2122
 Lau, K.-t. 383
 Laudisio, G. 2489
 Lavela, P. 1762
 Lázaro, M.J. 407, 2399
 Le Cloirec, P. 1873, 2413, 2569
 Le Coq, L. 2569
 Leahy, R. 1525
 Lecommandoux, S. 3207
 Ledoux, M.J. 809, 2587
 Lee, B.-J. 1592
 Lee, C.J. 1491
 Lee, D. 2984
 Lee, D.G. 1930
 Lee, D.H. 2219
 Lee, H.J. 2625
 Lee, J. 2984
 Lee, J.-H. 1530
 Lee, J.H. 3142
 Lee, J.Y. 1713
 Lee, K.-H. 1346
 Lee, K.-R. 1826
 Lee, N.S. 1862
 Lee, S.-I. 2578
 Lee, S.W. 608
 Lee, Y.-H. 807, 1530, 2625
 Lee, Y.D. 2625
 Lee, Y.H. 2689, 2809, 2984
 Lefebvre, J. 3199
 LeGarrec, J.L. 1267
 Lei, L. 325
 Lei, S. 1884
 Lei, T.Q. 1005
 Leis, J. 2122
 Lemoine, P. 2617

- Lemstra, P.J. 778
 Lemus-Yegres, L. 605
 Lenardi, C. 1518
 Léonard, A. 2534
 Leong, C.-K. 435
 Leonhardt, A. 1746, 2316
 Leontiev, V.S. 1292
 Li-Pook-Than, A. 3199
 Li, C. 176, 2021, 3315, 3367
 Li, F. 128, 216, 1331, 2212, 2778
 Li, G. 1544
 Li, G.-s. 2793
 Li, H. 828, 894, 1601, 2701
 Li, H.-J. 602, 786, 1198, 3360
 Li, H.-L. 3195
 Li, L.L. 1151
 Li, J. 190, 428, 1386, 2171, 3087
 Li, J.-h. 463
 Li, J.J. 1353, 1859, 2330
 Li, K.-Z. 602, 786, 3360
 Li, L. 596, 2308, 2973
 Li, L.-J. 2752
 Li, L.X. 1544
 Li, M. 2354, 2701
 Li, P. 3255
 Li, Q. 418, 2565
 Li, S.-F. 1166
 Li, T. 1661, 1851
 Li, T.S. 508, 2323
 Li, W. 387
 Li, X. 801, 1339, 1699, 2785, 3139
 Li, Y. 176, 894, 1586, 2664, 2785
 Li, Y.-P. 2919
 Li, Y.-Y. 2045
 Li, Y.H. 1821
 Li, Z.M. 1151
 Lian, W. 2849
 Liang, C. 742
 Liang, J. 2021
 Liang, Y. 211
 Liang, Z.Z. 913
 Liao, K. 383
 Licea-Jiménez, L. 113
 Liew, K.M. 397
 Lillo-Ródenas, M.A. 1455
 Lim, S. 67
 Lim, S.C. 2689, 2809
 Lim, S.Y. 187
 Lin, H. 2021
 Lin, K. 1342
 Lin, L. 3120
 Lin, M.F. 508, 2323
 Lin, S.-C. 1166
 Linares-Solano, A. 1121, 1455, 2642, 3053
 Lippits, D. 778
 Lisi, N. 671
 Lison, D. 1048
 Lisowski, W. 974
 Liu, A.-R. 2115
 Liu, B. 2115
 Liu, C. 2212, 2778
 Liu, C.-M. 2919
 Liu, D. 1313, 3037
 Liu, F. 1425
 Liu, G. 1851
 Liu, H. 501, 742, 2142, 2785, 3226
 Liu, H.J. 1151
 Liu, J. 2039
 Liu, J.-H. 1
 Liu, L. 1298, 1313, 1598, 2793
 Liu, N. 2430
 Liu, P. 27, 1484, 1598
 Liu, R. 387, 456
 Liu, R.P. 1544
 Liu, S.-H. 2212
 Liu, T. 3043
 Liu, T.-C. 2045
 Liu, W. 894, 2877
 Liu, X. 184, 418, 570, 1386, 1661, 1851, 2631
 Liu, Y. 165, 381, 1584, 1589, 2785, 3139
 Liu, Y.-T. 599, 1613
 Liu, Z. 184, 888, 1598, 2345
 Liu, Z.-f. 928
 Lizunova, S.V. 2694
 Lo, S.-C. 3328
 Lobo, A.O. 2202
 López-Garzón, F.J. 638
 López-Ramón, M.V. 2335
 Lozano-Castelló, D. 1121, 2642, 3053
 Lu, C. 27
 Lu, C.L. 508
 Lu, G.-F. 2354
 Lu, G.Q. 216, 1034
 Lu, H. 2261
 Lu, J.-H. 1198
 Lu, M. 383
 Lu, Y. 1357
 Lu, Z.S. 747, 2671
 Lua, A.C. 2964
 Luan, X. 121
 Lukehart, C.M. 2308
 Lun, N. 1773
 Luo, G. 1706
 Luo, J. 176, 3315
 Luo, J.H. 1425
 Luo, L. 2715
 Luo, S. 1313
 Luo, T. 190, 2844
 Luo, Z.Q. 1425
 Lupo, F. 1595
 Lupu, D. 2032
 Lust, E. 2122
 Lv, L. 801
 Lv, X. 1331
 Lv, Y. 1005
 Lyubovskaya, R.N. 2770
 Ma, D. 734
 Ma, H.-L. 2254
 Ma, H.A. 913
 Ma, M.Z. 1544
 Ma, P.C. 3232
 Ma, Q. 2021
 Ma, S.B. 1963
 Ma, X. 179, 2861
 Ma, Y. 1331
 Ma, Z. 1298
 Macan, J. 2196
 Maccallini, E. 2896
 Machida, M. 195, 2681
 Machnikowski, J. 2498
 Maciá-Agulló, J.A. 1121
 Macías-García, A. 2347
 Madou, M. 2602, 3073
 Magrini, A. 1302
 Maguire, P.D. 2617
 Makris, Th.D. 671
 Maksimenko, S.A. 2246
 Maldonado-Hódar, F.J. 2463
 Maldonado, S. 1429
 Malinovsky, V.K. 2027
 Malladi, K. 2602
 Maniero, A.M. 2925
 Manocha, L.M. 480, 488
 Manocha, S. 480, 488
 Mao, L. 276
 Marella, M. 1404
 Marencic, A.P. 2957
 Margotti, M. 3014
 Marsden, B.J. 1250
 Marshall, M.W. 1137
 Martin-Gullon, I. 1572
 Martin, A.A. 2202
 Martin, D.J. 1034
 Martínez, M.T. 1891
 Martínez-Alonso, A. 2452, 2469
 Martínez-Escandell, M. 1448
 Martínez-Huerta, M.V. 1919
 Maruyama, S. 873, 1414
 Maschmann, M.R. 10, 2758
 Mase, T. 2002
 Mastral, A.M. 2281
 Mateichenko, P.V. 1292
 Mathur, R.B. 699
 Matoba, T. 1130
 Matsuda, T. 3336
 Matsui, K. 3078
 Matsuishi, K. 2265
 Matsumoto, Y. 3134
 Matsuo, Y. 3134
 Maugey, M. 3207
 Mauldin, M. 854
 Mayer, H. 1801
 Mazyck, D.W. 182
 Mbileni, C.N. 1476
 McCaldin, S. 2273
 McCartney, D.G. 3136
 McClellan-Green, P. 1112
 McConnell, E.P. 1974
 McGinn, P. 293
 McGinn, P.J. 1673
 McLaughlin, J.A.D. 2617
 Mei, H. 121
 Melechko, A.V. 1503
 Meletis, E.I. 1280
 Méndez, A. 2350
 Mendoza, E. 1821
 Menéndez, J.A. 1158
 Menéndez, R. 441, 1762
 Meng, F.Y. 1263
 Meng, S.H. 962
 Meng, Y. 1601
 Mengoni, F. 2196
 Menna, E. 1609
 Merchan-Merchan, W. 3308
 Merino, C. 1572
 Merritt, A. 2051
 Mesalhy, O. 2080
 Mesko, M. 3336
 Messerer, A. 307
 Miao, S. 888
 Miao, Z. 888
 Mikhailovsky, S.V. 1258
 Milani, P. 1518
 Miller, D.W. 2032
 Milne, W.I. 3030
 Min, H. 1866
 Miravittles, C. 1891
 Misiti, D. 1609
 Mitani, S. 2578
 Mitchell, J.B.A. 1267
 Mitra, S. 1235, 2804
 Miura, K. 2089
 Miura, Y. 3355
 Miyagawa, H. 2002
 Miyake, J. 2115
 Miyake, T. 2833
 Miyamoto, J.-i. 1884
 Miyauchi, Y. 873
 Miyazaki, M. 3355
 Mochida, I. 187, 2578
 Mochimaru, T. 2681
 Mohajerzadeh, S. 2797
 Mohalle, N.D.S. 2590
 Molina-Sabio, M. 1448
 Moliner, R. 407, 2399
 Mombur, A.W. 565
 Monteiro-Riviere, N.A. 1070
 Monthieux, M. 699, 1028, 1621, 3183
 Montoro, L.A. 3293
 Moon, S.I. 2625
 Morallón, E. 2642
 Morante, J.R. 1821
 Moreno-Castilla, C. 2301, 2335, 2463
 Moreno-Mañas, M. 1891
 Morin, S. 1429
 Morishita, T. 2360
 Mota, J.P.B. 2376
 Motojima, S. 2833, 3352
 Mouchon, A. 1833
 Moulijn, J.A. 173, 2463, 3053
 Mourão, P.A.M. 2422
 Mozaradeh, F. 1350
 Mu, S. 1313
 Mu, S.-c. 762
 Mucha, H. 1994
 Muckenhuber, H. 546
 Mukasyan, A. 293, 301, 2160
 Mukherjee, C.D. 948
 Müller, C. 1746
 Müller, Ch. 2316
 Müller, M. 1121
 Muller, J. 1048
 Muller, S. 2549
 Mun, B.S. 2904
 Muñoz, V. 3130
 Murakami, K. 3336
 Murakami, Y. 1414, 2338
 Muramatsu, H. 1130
 Murata, K. 818
 Murayama, T. 1180
 Murcia-Mascarós, S. 84
 Murillo, R. 2281
 Murphy, M.C. 1258
 Murr, L.E. 447
 Mustelin, T. 1302
 Nabais, J.M.V. 1158
 Nabeta, K. 983
 Nadarajah, A. 360
 Nagatsu, M. 3336
 Nakagawa, H. 2089
 Nakahigashi, Y. 1884
 Nakajima, T. 1287
 Nakamura, C. 2115
 Nakamura, J. 2265
 Nakano, K. 2833
 Nalamasu, O. 1595
 Nam, K.-W. 1963
 Nambissan, P.M.G. 948
 Nasibulin, A.G. 1604, 2099
 Navarro, M.V. 2281
 Navarro, R.M. 84
 Negra, F.D. 1609
 Nejman, P. 1057
 Nemilentsau, A.M. 2246
 Nethravathi, C. 2635
 Nevskaya, D.M. 3130
 Ng, T.Y. 397
 Nguyen, P. 2587
 Nguyen, S.T. 3342
 Nguyen, T.H. 2569
 Nguyen, T.X. 646
 Ni, L. 2265
 Nicholas, R.J. 2752
 Niessner, R. 307
 Nijubu, A. 1754
 Ning, G. 1706
 Nir, I. 3247

- Nishi, N. 2943
Nishijo, J. 2943
Nishikawa, H. 1754
Noda, S. 1414
Noh, C.-H. 1862
Norfolk, C. 293, 301
Norinaga, K. 1335, 1790
- Oberdörster, E. 1112
Odeshi, A.G. 1994
Ogale, A.A. 2224
Ogawa, Y. 880
Ogino, A. 3336
Ogumi, Z. 203
O'Hare, D. 1969
Ohshita, M. 1754
Ohta, K. 2265
Ohzeki, K. 578
Oikonomou, E. 848
Oishi, O. 2943
Okabe, C. 2943
Okada, T. 1586
Okino, F. 2139
Olivares-Marin, M. 2347
Ono, H. 682
Onyestayk, Gy. 1665
Ooi, N. 231
Orlanducci, S. 2839
Ortiz, A.L. 1158
Osaka, K. 1079
Osawa, E. 3113
Osawa, T. 1414
Osipov, V. Yu. 1225
Ossi, P.M. 3049
Otero-Diaz, L.C. 753
Ótvös, Zs. 1665
Oulanti, H. 374
Oya, A. 682, 1243, 1328, 3358
Oyama, Y. 873
Ozaki, J.-i. 1243, 1328, 3358
Ozkan, C.S. 1730
Ozkan, M. 1730
- Padre-Eterno, A.M. 1158
Palshin, V. 1280
Pal'yanov, Yu.N. 2027
Pan, M. 762
Pandey, R.R. 1730
Pang, G.K.H. 165, 381
Pang, J. 1357
Pao, C.W. 1982
Paolucci, F. 3014
Papakyriacou, M. 1801
Paraskevas, I. 820
Pardo, H. 565
Paredes, J.I. 2469
Parent, Ph. 2452
Paris, O. 3239
Park, B.-H. 3372
Park, C.-Y. 2219
Park, C.G. 1346
Park, C.R. 1016
Park, C.Y. 1491
Park, J.-B. 2984
Park, J.-K. 3375
Park, J.H. 2106
Park, J.K. 833, 2114
Park, K.C. 1309, 1592
Park, S.-H. 2984
Park, S.J. 1930
Park, S.W. 3142
Patel, S. 1258
Patrick, J.W. 918, 1376
Patyk, J.K. 2178
Pawelec, B. 84
- Pei, X.-J. 496
Pellenq, R.J.M. 2445
Peña, M.A. 1919
Peng, J. 19
Pennisi, A. 3123
Pereira, M.F.R. 2516
Pereshivko, L.Ya. 113
Pérez-Cadenas, A.F. 173, 2463
Pérez-Mendoza, M. 638
Pernak, J. 3126
Peterlik, H. 3239
Petridis, D. 848, 1906
Pezzini, D. 587
Pfefferle, L.D. 67
Pfeiffer, R. 3177
Pfrang, A. 3091
Pham-Huu, C. 2587
Phan, N.H. 2569
Pichler, T. 1420, 3177
Pietrzak, R. 2368
Pikunic, J.P. 2445
Piner, R.D. 3342
Pirard, J.-P. 2534
Piseri, P. 1518
Poa, C.H.P. 1821
Pol, S.V. 1913, 2864, 3285
Pol, V.G. 1913, 2864, 3285
Pollak, E. 3302
Polomska, M. 2770
Pong, W.F. 1982
Popa-Nita, S. 1137
Poroshin, V.G. 2694
Pöschl, U. 307
Poulin, P. 3207
Pramoda, K.P. 613
Prasad, V. 334
Prato, M. 1609, 2896, 3014
Pré, P. 1873, 2413
Preston, S.D. 1250
Prince, K.C. 1518
Prinsloo, F.F. 1476
Privitera, V. 3123
Prudente, F.V. 2925
Prylutsky, Yu.I. 2694
Przybylowski, T. 1057
Puglisi, O. 2093
- Qian, D.-J. 2115
Qian, H. 866
Qian, J. 2861
Qian, Q. 128, 195
Qian, S.-h. 762
Qian, W. 1305
Qian, Y. 190, 734, 828, 2171, 2844, 2861
Qian-Gang, F. 1866
Qiao, S.-R. 2354
Qiao, S.Z. 216
Qiao, W.M. 187
Qin, X. 2701
Qiu, H. 516
Qiu, J. 516, 1324, 1586, 1845, 2565, 2764
Queipo, P. 1604, 2099
Quinn, J.P. 2617
Quinones, S.A. 447
- Rack, P.D. 1503
Radovic, L.R. 141
Raevskii, A.V. 2289
Rahm, A. 3064
Rahman, Z.U. 2032
Rairkar, A. 231
Raites, Y. 1022
Rajagopalan, R. 2051, 2957
Rajamathi, M. 2635
Rakhmanina, A.V. 2015
- Ramanath, G. 1595
Ramasubramaniam, R. 2142
Ramirez, D. 2715
Ramirez-Cuesta, A.J. 2724
Rand, B. 1699
Rao, A.M. 1292
Rapino, S. 3014
Rapta, P. 2147
Rastogi, S. 778
Ravagnan, L. 1518
Ray, S.C. 1982
Raymundo-Piñero, E. 2498, 3126
Rebmann, G. 809
Reclusa, S. 1319
Rees, L.V.C. 1665
Reilly, P.T.A. 1653
Remy-Zolghadri, M. 1093
Ren, B. 2858
Ren, Y.X. 397
Ren, Z.F. 969
Reznik, B. 1335
Ribeiro Carrott, M.M.L. 2422
Riccardis, M.F. De 671
Riekel, C. 1121
Rio, S. 2569
Rios, R.V.R.A. 1448
Ritschel, M. 1746
Ritter, U. 2694
Rivelino, R. 2925
Rockstraw, D.A. 1464
Rodriguez, J. 1821
Rodriguez-Ramos, I. 804, 3130
Rodriguez-Reinoso, F. 1448
Roether, J.A. 3149
Rohlfing, D.F. 1942
Rojas, S. 1919
Román-Martínez, M.C. 605
Rood, M.J. 2376, 2715
Rosa, N.G. 2590
Rosolen, J.M. 3293
Ross, D.K. 2724
Rossetti, R. 587
Rosta, L. 954
Rostam-Abadi, M. 2376
Roth, S. 1292, 1695
Rouzaud, J.N. 2359
Rouzaud, J.-N. 3348
Royer, L. 348
Rozhkova, N.N. 954
Rudolf, P. 2896, 3014
Ruiz, V. 441
Rümmeli, M.H. 3177
Ruoff, R.S. 3342
Rychwalski, R.W. 113
- Saadallah, S.-E. 3348
Sabatier, F. 2534
Saito, K. 2578
Saito, R. 873
Salernitano, E. 671
Salis, E. 1518
Salitra, G. 3302
Samant, P.V. 2516
Samide, M.J. 1936
Samsonidze, Ge.G. 873
Sanakis, Y. 1906
Sankaran, M. 2816
Santamaria, R. 441, 1762
Sathiyamoorthy, D. 480, 488
Satish Kumar, G. 530
Sato, C. 2002
Sato, K. 873
Sato, M. 1243
Sato, Y. 664
Sattler, R.R. 593, 1173
- Sauthier, G. 1891
Sauvajol, J.-L. 2752
Saveliev, A.V. 3308
Savelyev, V.V. 113
Saxena, A. 907
Scalese, S. 3123
Scharff, P. 2694
Schimmel, Th. 3091
Schindler, K. 3064
Schlögl, R. 809
Schmitt, M. 374
Schmitt, T.C. 2032
Schneider, R. 2508
Schumacher, C. 638
Schurmann, T. 3030
Scuderi, V. 3123
Seaton, N.A. 638, 2281
Sedo, O. 840
Seino, K. 578
Sekhar, K. 907
Selbmann, D. 2316
Selig, S. 3145
Sammelhack, H.C. 3064
Send, W. 3091
Seong, D.G. 1898
Serafino, A. 1100
Serp, P. 605, 2516
Serp, Ph. 2384
Servant, G. 1438
Sessa, V. 2839
Setoguchi, T. 2912
Sevilla, M. 468, 1954
Shaffer, M.S.P. 3149
Sham, M.-L. 768
Shan, Z. 1342
Shandakov, S.D. 2099
Shao, L. 2855
Shao, W. 2708
Shapter, J.G. 1137
Sharma, A. 907, 2089
Sharma, S.P. 699
Shekhar, S. 334
Sheldon, B.W. 3116
Shen, A. 428
Shen, H.-S. 2608
Shen, J. 190, 2171, 3136
Shen, W. 1339
Shen, X. 428
Shen, Z. 19, 1367
Sheng, P. 1151
Sheng, Z.M. 2096
Shevchenko, V. 2191
Shi, C.S. 1353, 1859, 2330
Shi, J. 1298
Shi, J.-J. 2793
Shi, L. 2853
Shi, P.-F. 133
Shi, S.Q. 1263
Shi, W. 1376
Shi, X. 2664
Shi, X.-H. 602, 1198, 3360
Shi, Z. 475, 516
Shih, H.-C. 107
Shim, J.B. 3142
Shimada, T. 2139
Shimawaki, T. 2091
Shin, H.-J. 2219
Shin, S.J. 833, 2114
Shin, Y.-H. 3375
Shin, Y.S. 2219
Shinoda, M. 2139
Shinohara, H. 1420, 1853
Shinohara, K. 578
Shishibori, K. 2479
Shlapatskaya, V.V. 2694

- Shmueli, L. 3247
 Shu, C.-Y. 496
 Shu, Q. 176
 Siegmund, C. 2694
 Silva, S.R.P. 1821
 Simha Martynková, G. 792
 Simon, F. 1958
 Simone, F. 3123
 Simpson, M.L. 1503
 Singamaneni, S. 2191
 Singer, J. 2489
 Singh, B. 907
 Singh, K.V. 1730
 Singh, V. 1280
 Slepyan, G.Ya. 2246
 Slocum, A.H. 348
 Sluzarenko, N. 3207
 Smarsly, B. 3239
 Smart, S.K. 1034
 Smith, C.F. 341
 Smith, D.A. 1503
 Smithers, M.A. 974
 Snape, C.E. 918, 1376
 Soffer, A. 3302
 Sokolov, V.V. 3263
 Soleimani, E.A. 2797
 Soltan Mohammadzadeh, J.S. 2236
 Son, H.J. 1862
 Soneda, Y. 2360
 Song, D. 939
 Song, H. 596, 730, 2849
 Song, H.-J. 2219
 Song, I.K. 389
 Song, J.-r. 2793
 Song, K.Y. 1862
 Song, L. 170, 866, 1313
 Song, X. 1584
 Song, Y. 187, 1298
 Song, Y.-z. 2793
 Song, Y.I. 2689, 2809
 Song, Y.S. 710
 Sonoyama, N. 1754
 Soombar, C. 2896
 Soucy, G. 1438
 Spemann, D. 3064
 Stankovich, S. 3342
 Stansberry, P.G. 1535
 Starck, J. 2549
 Stefaniak, F. 3126
 Stevenson, K.J. 1429
 Stiller, A.H. 1535
 Strelko, V.V. 1019
 Strong, W.R. 1936
 Su, D.S. 809, 2254
 Su, F. 801, 1713
 Su, J. 2964
 Su, L. 276
 Su, W. 1386
 Suárez-García, F. 638, 2452
 Subramanyam, S.V. 334
 Such-Basáñez, I. 605
 Suda, K. 3078
 Suezaki, H. 1592
 Sugie, Y. 3134
 Sugime, H. 1414
 Sugimoto, W. 2338
 Sui, Z.-J. 3255
 Sun, G. 152, 1589
 Sun, J. 3136
 Sun, Y. 253, 1386, 1969, 2565
 Sun, Z. 888, 1342
 Sung, M.-G. 1913
 Surovtsev, N.V. 2027
 Suryanarayana, M.V.S. 907
 Sych, N.V. 1019
 Szabó, T. 537
 Szaraniec, B. 1106
 Szatkowski, J. 2178
 Szostak, K. 814, 1106
 Szroeder, P. 2178
 Tabata, H. 522, 3168
 Tagmatarchis, N. 1420, 1609
 Tai, N.-H. 1
 Takahara, K. 1225
 Takahashi, K. 1243
 Takahashi, T. 1180
 Takai, K. 1225
 Takasu, Y. 2338
 Takeuchi, K. 1309
 Tam, W.-Y. 383
 Tan, J. 2212, 2778
 Tanabe, Y. 3078
 Tanaike, O. 2558
 Tanaka, T. 3336
 Tang, B.Z. 3232
 Tang, D. 2155
 Tang, H.-I. 762
 Tang, J. 165, 381, 1601
 Tang, N.J. 423
 Tang, S. 152, 2877
 Tang, Y. 2021
 Tang, Z.K. 1151
 Tanifuji, S.-i. 1328
 Tannenbaum, R. 1740
 Tao, M. 2021
 Tao, X.Y. 1425
 Tapper, U. 1604
 Tarábek, J. 2147
 Tascón, J.M.D. 2452, 2469
 Tatsumoto, H. 195, 2681
 Tatsuoka, H. 3336
 Taylor, R.A. 2752
 Teng, H. 3218
 Teo, K.B.K. 3030
 Tereshchenko, G.F. 3263
 Terranova, M.L. 2839
 Terreros, P. 1919
 Tessonier, J.P. 2587
 Tezel, H. 1873, 2413
 Thies, M.C. 243
 Thomas, B.J.C. 3149
 Thomas, K.M. 989, 1455
 Thorel, A. 2015
 Thostenson, E.T. 3022
 Thrower, P.A. 825, 1027
 Thurston, D.L. 2715
 Tian, Y. 1544
 Ting, J.-M. 1210
 Tirado, J.L. 1762
 Tittsworth, R.C. 1280
 Tobias, G. 2855
 Tomaselli, M. 1404
 Tombácz, E. 537
 Tomonaga, N. 2912
 Tong, Y. 2689
 Touhara, H. 2139
 Trava-Airoldi, V.J. 2202
 Trigwell, S. 2032
 Trindade, G.M. 2590
 Trinquecoste, M. 1319, 3005
 Tropin, T.V. 954
 Troshin, P.A. 2770
 Tsai, H.M. 1982
 Tsang, S.C. 820
 Tse, S.D. 570
 Tseytlin, A. 2051
 Tsuji, M. 2912
 Tsuji, Y. 1414
 Tsumura, T. 2360
 Tsuneta, T. 1604
 Tsyba, M.M. 1019
 Tzeng, S.-S. 859, 1986
 Tzitzios, V. 848
 Uchida, H. 3355
 Uehara, N. 2912
 Ulbricht, H. 2931
 Urones-Garrote, E. 753
 Ustinov, E.A. 653, 2652
 Valášková, M. 792
 Valentini, L. 2196
 Vallerot, J.-M. 1565, 1833
 van den Berg, A.H.J. 974
 van der Lee, M.K. 629, 2357
 van Dillen, A.J. 629, 2357
 van Gulijk, C. 2950
 Vangelisti, R. 259
 Vanhaecke, E. 2587
 Vannikov, A.V. 113
 Varma, A. 293, 301, 2160
 Vecchio, K. 267
 Venkatesan, M. 3213
 Vera, J. 1572
 Veres, T. 2593
 Verissimo, C. 2202
 Verma, N. 46
 Victor, P. 1595
 Vidic, R. 1203
 Vidic, R.D. 2990, 2998
 Vieira, F. 2590
 Vieira, R. 809
 Villani, C. 1609
 Villar-Rodil, S. 2452
 Vinu, A. 530
 Viswanathan, B. 2816
 Vix-Guterl, C. 2392, 3005, 3348
 Vix-Guterl, C. 2549
 Vul', A. Ya. 1225
 Waas, A.M. 1022
 Wachowska, H. 2368
 Wagner, G. 3064
 Wakabayashi, T. 3168
 Wakayama, T. 2115
 Walker, G.S. 2273
 Walton, M.D. 1974
 Wan, D. 170
 Wang, A. 501, 2345
 Wang, A.-Y. 1826
 Wang, B.B. 1949
 Wang, C. 786, 2602, 3073, 3161
 Wang, C.-G. 1773
 Wang, C.-H. 107
 Wang, C.-R. 496
 Wang, C.-Y. 3370
 Wang, D.Z. 969
 Wang, F. 1309, 2708
 Wang, G. 152, 1313
 Wang, H. 799
 Wang, J.-m. 161
 Wang, J.N. 2096
 Wang, K. 176, 1730, 2671, 3315
 Wang, K.-P. 3218
 Wang, L. 1342
 Wang, L.W. 747, 2671
 Wang, M. 613
 Wang, M.-X. 3370
 Wang, N. 1848
 Wang, P. 3120
 Wang, Q. 152, 1544, 1706, 2708
 Wang, R. 165
 Wang, R.Z. 747, 2671
 Wang, S. 1218, 1725, 1848, 2739, 3120
 Wang, T. 501, 2764
 Wang, T.-C. 900
 Wang, W. 176
 Wang, X. 167, 418, 1393, 1560, 1730, 2115, 2345, 2631, 2701
 Wang, X.-H. 599, 1613
 Wang, Y. 456, 1367, 1560, 2804
 Wang, Y.-X. 1773
 Wang, Z. 176, 1324, 1581, 1845, 2565, 3226, 3277, 3315
 Wang, Z.-B. 133
 Wang, Z.-M. 2479
 Wang, Z.L. 1393
 Wapner, P.G. 284, 854
 Warheit, D.B. 1064
 Warrior, A. 480, 488
 Watanabe, T. 799
 Watano, H. 664
 Wei, D. 3139
 Wei, F. 1706
 Wei, J. 176, 3315
 Wei, L. 1305
 Weiss, Z. 792
 Weitkamp, J. 593
 Wen, G. 1005
 Wen, Q.B. 962
 Wen, S. 1496, 2130
 Wendrock, H. 812
 Westreich, P. 3145
 Westwood, A. 1699
 Wetzig, K. 812
 Whitten, W.B. 1653
 Wieber, A.P. 2069
 Wiechert, D.U. 225
 Wielage, B. 1994
 Wienecke, M. 718
 Willmann, P. 2508
 Wiltshire, J.G. 2752
 Winder, S.M. 3037
 Witcomb, M.J. 1476
 Wolf, E.E. 2069
 Wong, C.P. 253
 Wong, J.-W. 107
 Woo, Y.S. 1862
 Wronski, Z.S. 1779
 Wu, D. 176, 675, 1969, 3315
 Wu, G. 2973
 Wu, J.L. 687
 Wu, J.Y. 2671
 Wu, L. 2858
 Wu, W.-Y. 1210
 Wu, X. 141
 Wu, Y. 1581
 Wu, Z. 1357
 Wu, Z.-Y. 866
 Wudl, F. 1718
 Wulff, M. 1267
 Xi, G. 734
 Xi, J. 1848
 Xia, F. 1848
 Xia, X.-H. 61
 Xia, Y. 1601
 Xiang, Y. 1313
 Xiao-Hong, S. 1866
 Xiao, F.-S. 1342
 Xiao, H. 3269
 Xiao, J. 2785
 Xiao, P. 3277
 Xiao, X. 3116
 Xiao, Y. 1589
 Xie, S. 170, 1313, 2155
 Xie, S.-S. 866
 Xie, S.-Y. 1166

- Xie, X.-M. 599, 1613
 Xie, Y. 3120
 Xie, Z.-X. 1166
 Xin, J.H. 165, 381, 2261
 Xin, Q. 152
 Xing, W. 216
 Xiong, G.-Y. 969
 Xiong, J. 2701
 Xiong, K. 828
 Xiong, X. 463, 1690
 Xiu, Y. 253
 Xu, B. 1661, 1851, 2631
 Xu, B.-Q. 2973
 Xu, D. 3226
 Xu, D.S. 1263
 Xu, F. 179, 570, 2861
 Xu, H.-B. 2919
 Xu, H.-j. 463
 Xu, J. 253, 475
 Xu, L. 184
 Xu, X. 2785
 Xu, Z. 211, 1581
 Xue, C. 2142

 Yamakawa, Y. 799
 Yan, A. 2102, 3116
 Yan, F. 128
 Yan, J. 939
 Yan, Z.F. 216
 Yanagisawa, T. 1079
 Yanagiura, T. 1592
 Yanase, H. 1754
 Yang, B. 456
 Yang, C. 418
 Yang, C.W. 2219
 Yang, D. 3161
 Yang, J. 19, 1367
 Yang, J.H. 2219
 Yang, K. 2877
 Yang, K.S. 948
 Yang, L. 3226
 Yang, R. 1263
 Yang, S. 730, 3352
 Yang, W. 418
 Yang, Y. 184, 1661
 Yao, K. 2021
 Yao, Y.-I. 61
 Yasuda, E. 3078, 3269
 Yates Jr., J.T. 2039
 Ye, J. 2785

 Ye, L.-S. 61
 Ye, X.-Y. 599, 1613
 Yeh, M.-K. 1
 Yeh, Y. 1718
 Yeom, G.-Y. 807, 1530
 Yeung, K.L. 501
 Yi, J. 389
 Yin, G.-P. 133
 Yin, J. 387, 1690
 Yonetake, K. 1180
 Yoo, J.-B. 2219
 Yoon, B.-J. 1346
 Yoon, D.-M. 1346
 Yoon, J.-S. 3372
 Yoon, K.Y. 2106
 Yoon, S.-H. 2578
 Yoon, S.H. 187
 Yoon, S.M. 2984
 Yoon, Y.-H. 3375
 Yoshida, A. 2333, 3363
 Yoshida, T. 3336
 Yoshihara, N. 2912
 Yoshikawa, K. 2558
 Yoshimura, K. 2833
 Yoshimura, M. 799
 Yoshizawa, N. 2558
 You, L. 516
 Youn, J.R. 710, 1898
 Yu, C. 1601
 Yu, G. 37, 1218, 3139
 Yu, H. 1706
 Yu, H.-Q. 2059
 Yu, M. 1560
 Yu, M.-J. 1773
 Yu, S. 2984
 Yu, W. 190, 418, 2844
 Yuan, D. 1589
 Yuan, G. 128, 1699
 Yuan, R.-z. 762
 Yuan, W.-K. 3255
 Yudasaka, M. 818
 Yui, K. 3355
 Yum, M.H. 2219
 Yumura, M. 2912
 Yunoshev, A.S. 2027
 Yushin, G. 2489
 Yüzak, Y. 989

 Zacharia, R. 2931
 Zakri, C. 3207

 Zang, C.Y. 913
 Zaouk, R. 3073
 Zarkin, A.J.G. 2869
 Zeng, J. 1713
 Zeng, Y. 1725
 Zha, F.-X. 1695
 Zhai, G. 1298
 Zhai, G.-t. 2793
 Zhai, J.P. 1151
 Zhang, B. 692, 1725, 1949, 2764
 Zhang, C.-L. 2608
 Zhang, D. 828, 900, 2853
 Zhang, F. 19, 3136
 Zhang, F.-B. 3195
 Zhang, G.-D. 900
 Zhang, H. 734, 1690, 2565, 3367
 Zhang, H.-L. 2212, 2778
 Zhang, J. 121, 418, 692, 1589, 2354, 3367
 Zhang, J.-j. 161
 Zhang, K. 962
 Zhang, L. 121, 1425
 Zhang, M. 276, 734
 Zhang, Q. 778, 1706, 3087
 Zhang, Q.F. 687
 Zhang, S. 516, 2171, 2430, 2764
 Zhang, S.-J. 2059
 Zhang, S.-Y. 1198
 Zhang, T. 2345
 Zhang, T.H. 37
 Zhang, W. 211, 1581, 3370
 Zhang, X. 325, 501
 Zhang, X.-G. 2778
 Zhang, X.-H. 1166
 Zhang, X.-L. 3370
 Zhang, X.B. 1425
 Zhang, Y. 165, 475, 1969, 2778, 2861, 2919
 Zhang, Y.-f. 928
 Zhang, Y.Q. 37
 Zhang, Y.W. 27
 Zhang, Z. 179, 692, 1313, 2861
 Zhao, B. 3120
 Zhao, D. 1601
 Zhao, J.-g. 786
 Zhao, L.-x. 161
 Zhao, N.Q. 1353, 1859, 2330
 Zhao, Q. 1740
 Zhao, W. 1613
 Zhao, X. 1313, 1342
 Zhao, X.S. 801, 1713

 Zhao, Y. 742, 1342
 Zhao, Y.M. 1821
 Zhao, Z. 1324, 1845
 Zheng, B. 962
 Zheng, C.Y. 37
 Zheng, H. 203
 Zheng, L.-S. 1166
 Zheng, L.-y. 161
 Zheng, R. 742
 Zheng, W.T. 962
 Zheng, Z. 2701
 Zhi-Biao, H. 1866
 Zhi, J. 2858
 Zhigalina, O.M. 2289
 Zhong, G.F. 2009
 Zhong, J. 866, 1560
 Zhong, W. 423
 Zhou, B. 152
 Zhou, C. 1673
 Zhou, D. 1013
 Zhou, F. 2021
 Zhou, J.-H. 3255
 Zhou, L. 1386, 1601
 Zhou, L.-P. 2265
 Zhou, M. 325
 Zhou, W. 170, 1313, 1713, 2155
 Zhou, X. 1601
 Zhou, Y. 1386
 Zhou, Z. 152, 170, 939
 Zhu, B. 1773
 Zhu, D. 1218, 2785, 3139
 Zhu, J. 211, 1584
 Zhu, J.Q. 962
 Zhu, L. 253
 Zhu, P.W. 913
 Zhu, S. 1112
 Zhu, Y. 734, 1848, 3120
 Zhu, Y.Q. 724, 1821
 Zhu, Z. 1218, 1581
 Zickler, G.A. 3239
 Zieverink, M.M.P. 173
 Zondlo, J.W. 1535
 Zou, G. 828
 Zou, Y. 1342
 Zukalová, M. 99, 2147
 Zukalova, M. 3113
 Zvereva, G.I. 2289



Keyword Index

- Absorption, 508, 873, 2816
- Activated carbon, 19, 46, 173, 182, 195, 325, 560, 605, 646, 653, 747, 859, 907, 918, 989, 1019, 1243, 1258, 1346, 1367, 1455, 1464, 1598, 1873, 1954, 2059, 2281, 2347, 2413, 2422, 2437, 2452, 2463, 2498, 2523, 2549, 2569, 2578, 2642, 2652, 2671, 2681, 2715, 2724, 2990, 2998, 3102, 3145, 3218, 3247
- Activation, 441, 590, 638, 983, 1019, 1121, 1346, 1349, 1376, 1455, 1592, 1598, 1884, 2281, 2338, 2368, 2399, 2422, 2452, 2569, 3302
- Activation energy, 301, 307, 928, 989, 3269
- Adsorption, 19, 182, 195, 307, 468, 537, 560, 591, 638, 646, 653, 747, 907, 918, 989, 1189, 1258, 1301, 1324, 1367, 1376, 1386, 1455, 1821, 1873, 1884, 2039, 2106, 2115, 2122, 2281, 2301, 2335, 2360, 2413, 2422, 2445, 2469, 2479, 2489, 2652, 2671, 2681, 2715, 2816, 2964, 3053, 3247, 3263, 3320, 3358
- Adsorption properties, 182, 195, 397, 441, 530, 560, 747, 939, 974, 1019, 1158, 1386, 1665, 1718, 1884, 2155, 2160, 2335, 2404, 2549, 2569, 2587, 2671, 2715, 2931, 3145
- Aggregation, 496, 1070, 1706, 2091, 2785, 2859, 2925
- Annealing, 348, 618, 724, 969, 1225, 1982, 2856
- Arc discharge, 187, 475, 516, 804, 1022, 1321, 1327, 1584, 1845, 2631, 2694, 3043
- Atomic force microscopy, 107, 374, 814, 1137, 1544, 2191, 2617, 2984, 3091, 3342, 3375
- Battery carbon, 724, 1718, 2212, 2392, 2778
- BET surface area, 184, 389, 407, 907, 1349, 1592, 2106, 2489
- Bioactivity, 1028, 1048, 1057, 1070, 1079, 1112
- Biocompatibility, 1028, 1034, 1064, 1093, 1100, 1106, 1292
- Bonding, 692, 1518
- Carbon aerogels, 675, 2301, 2430
- Carbon beads, 596, 2430, 2715, 3183
- Carbon black, 133, 435, 653, 1064, 1511, 1919, 1974
- Carbon cloth, 2715
- Carbon clusters, 840, 1518, 2093, 3049, 3168
- Carbon composites, 121, 284, 334, 423, 435, 501, 671, 762, 811, 833, 854, 1005, 1316, 1339, 1496, 1525, 1560, 1624, 1740, 1762, 1974, 1994, 2002, 2089, 2130, 2191, 2354, 2479, 2593, 2671, 2739, 2833, 2839, 2853, 2869, 2943, 3022, 3078, 3123, 3195, 3277
- Carbon fibers, 19, 161, 360, 671, 809, 948, 1016, 1121, 1158, 1203, 1367, 1496, 1503, 1661, 1773, 1884, 1986, 2130, 2202, 2335, 2739, 2833, 2990, 2998, 3053, 3207, 3218, 3239, 3364
- Carbon filaments, 742, 1404, 1913, 1969, 2273, 2350, 2865
- Carbon films, 501, 799, 1848, 2333, 2618, 2964, 3116, 3315
- Carbon microbeads, 128, 187, 293, 301, 730, 1673, 2793, 3285
- Carbon microcoils, 2833, 3352
- Carbon nanofibers, 152, 629, 682, 828, 859, 918, 1013, 1376, 1404, 1425, 1429, 1548, 1572, 2102, 2184, 2219, 2273, 2289, 2778, 2950, 3030, 3073, 3255
- Carbon nanoparticles, 107, 158, 1028, 1070, 1100, 1595, 1682, 2015, 2045, 2096, 2102, 2106, 2558, 2565, 3123, 3356
- Carbon nanotubes, 1, 10, 27, 61, 67, 84, 99, 113, 165, 167, 170, 176, 211, 225, 253, 267, 276, 341, 348, 381, 383, 418, 428, 447, 456, 516, 570, 587, 599, 605, 608, 613, 671, 687, 692, 710, 718, 762, 768, 778, 801, 804, 807, 814, 848, 866, 873, 888, 928, 939, 969, 974, 1013, 1022, 1028, 1034, 1048, 1057, 1064, 1079, 1093, 1100, 1106, 1112, 1130, 1137, 1151, 1166, 1180, 1218, 1235, 1263, 1287, 1292, 1301, 1307, 1310, 1321, 1327, 1334, 1339, 1343, 1393, 1414, 1429, 1491, 1511, 1530, 1581, 1586, 1595, 1604, 1609, 1613, 1624, 1853, 2265, 2804, 3375
- Carbon onions, 79, 1225, 1725, 1779, 1851
- Carbon precursor, 1476, 2593, 2869
- Carbon xerogels, 1243, 2345, 2516, 2534
- Carbon yield, 67, 608, 1343, 1584, 1808, 2912
- Carbon/carbon composites, 141, 463, 480, 488, 602, 699, 747, 786, 1142, 1198, 1690, 1754, 1866, 2877, 3269, 3361
- Carbonization, 179, 184, 468, 530, 593, 900, 1173, 1189, 1316, 1324, 1386, 1535, 1598, 1762, 1906, 1969, 2360, 2569, 2793, 2849, 2861, 2964, 3358, 3368
- Carbyne, 522, 1518, 3113, 3168
- Catalyst, 61, 67, 141, 173, 211, 742, 809, 818, 828, 1235, 1404, 1414, 1425, 1503, 1699, 1754, 2009, 2265, 2844, 2904, 2912, 3336
- Catalyst support, 152, 407, 605, 608, 629, 820, 1243, 1343, 1713, 1919, 2345, 2384, 2399, 2463, 2516, 2973, 3053, 3195
- Catalytic properties, 46, 61, 84, 173, 718, 804, 818, 820, 824, 1287, 1429, 2069, 2265, 2273, 2345, 2384, 2463
- Catalytically grown carbon, 570, 629, 820, 1198, 1343, 1930, 2587, 3030, 3037
- Char, 1448, 1592
- Charcoal, 2681, 3239
- Chemical structure, 360, 387, 1137, 1280, 1438, 1730, 2764, 2770, 3328
- Chemical treatment, 190, 387, 565, 596, 753, 848, 866, 928, 1019, 1137, 1336, 1346, 1589, 1730, 1862, 1891, 1919, 2021, 2142, 2171, 2549, 2642, 2701, 2856, 2973, 3053, 3226, 3263, 3328, 3342
- Chemical vapor deposition, 170, 225, 253, 267, 325, 341, 348, 383, 418, 671, 687, 718, 742, 801, 804, 814, 859, 969, 1057, 1079, 1093, 1166, 1235, 1310, 1393, 1414, 1425, 1525, 1530, 1572, 1605, 1653, 1661, 1706, 1746, 1779, 1790, 1808, 1821, 1853, 1859, 1930, 1949, 2009, 2032, 2139, 2160, 2184, 2219, 2236, 2254, 2273, 2316, 2330, 2341, 2350, 2565, 2587, 2778, 2822, 2839, 2912, 2950, 3073, 3091, 3177, 3183, 3199, 3255, 3293, 3336, 3352
- Chemical vapor infiltration, 121, 786, 1198, 2877
- Chemically modified carbons, 664, 1019, 1762, 1891, 2404, 2896, 2973
- Chemisorption, 46, 428, 560, 1942, 3014, 3218
- Chromatography, 1330, 1609, 1790, 2032, 2912, 3168
- Coal, 1321, 1535, 1598, 1845
- Coal tar pitch, 243, 1560
- Coating, 37, 173, 407, 423, 602, 799, 848, 1142, 1166, 1189, 1235, 1851, 1866, 2463, 2689, 2804, 2839, 2853, 2859, 3149, 3361
- Coke, 441, 792
- Combustion, 307, 374, 570, 1267, 2045, 3308
- Computational chemistry, 231, 456
- Cracking, 1544, 3043
- Crystal structure, 596, 682, 913, 1016, 1307, 2021, 2184, 2839
- Crystallite size, 1243, 1826, 3064, 3371
- Defects, 948, 1263, 2694, 2984, 3320
- Density, 629, 675, 786, 1151, 1316, 2009, 2617
- Diamond, 79, 374, 522, 913, 2308, 2859, 3113, 3136
- Diamond-like carbon, 799, 1210, 1280, 1826
- Dielectric properties, 2130, 2883, 3368
- Differential scanning calorimetry, 1873, 2413
- Diffusion, 989
- Doped carbon, 2752
- Doped carbons, 397, 939, 962, 1324, 3358
- Doping, 913, 1429, 1491, 1826, 2261
- Dynamic mechanical thermal analysis, 613, 1994
- Elastic properties, 1250, 1484, 1496, 1740, 2002
- Electrical (electronic) properties, 231, 456, 468, 508, 778, 1005, 1334, 1496, 1525, 1974, 2130, 2147, 2155, 2178, 2196, 2739, 2797, 2925, 3022, 3078, 3087, 3199, 3207, 3213, 3302, 3352, 3373
- Electrochemical properties, 99, 133, 203, 216, 441, 724, 730, 828, 888, 894, 983, 1324, 1425, 1592, 1601, 1713, 1718, 1762, 1942, 1963, 2115, 2122, 2212, 2360, 2368, 2392, 2430, 2498, 2508, 2516, 2523, 2543, 2578, 2642, 2664, 2778, 2919, 2973, 3014, 3126, 3195, 3218, 3358
- Electrochemical treatment, 1013, 1307, 2147, 2919, 3142
- Electrodes, 61, 203, 880, 1438, 1919, 2115, 2122, 2392, 2578, 3126
- Electron diffraction, 259, 1845, 2865
- Electron energy loss spectroscopy, 158, 753, 1581, 1779, 1833, 2219
- Electron microscopy, 128, 225, 253, 389, 456, 508, 516, 682, 687, 718, 724, 734, 753, 814, 828, 888, 1057, 1166, 1218, 1243, 1303, 1307, 1327, 1336, 1595, 1609, 1851, 1958, 1974, 2147, 2021, 2102, 2265, 2289, 2341, 2489, 2508, 2587, 2822, 2844, 2925, 3037, 3073, 3091, 3123, 3183, 3308
- Electron paramagnetic resonance, 1225, 2147
- Electronic structure, 231, 496, 939, 962, 2323, 3320
- Etching, 762, 1218, 2338, 2489
- Exfoliated graphite, 435, 664, 2590
- Field emission, 225, 418, 807, 1530, 2625, 2689, 2797, 2809, 2822, 3149
- Fracture, 1673, 1801, 2739, 3022, 3043
- Frictional properties, 161, 463, 900
- FTIR, 1464
- Fullerene, 79, 99, 387, 397, 496, 880, 894, 1028, 1100, 1112, 1420, 1484, 1584, 1653, 1958, 2027, 2770, 2785, 2896, 2925, 3014
- Functional groups, 428, 537, 613, 880, 1137, 1203, 1936, 2021, 2142, 2308, 2437, 2452, 2896, 3149, 3232
- Gas storage, 590, 762, 918, 1376, 1404, 2219, 2724, 2816
- Gasification, 2338, 3302
- Glass-like carbon, 638, 1936, 2859, 3049
- Graphite, 79, 231, 259, 435, 508, 565, 618, 792, 812, 913, 983, 1250, 1438, 1801, 2184,

- 2202, 2523, 2543, 2590, 2931, 3037, 3043, 3130, 3142, 3320
- Graphite oxide, 537, 1313, 1906, 2635, 3134, 3342
- Graphitic carbon, 179, 190, 734, 1142, 1476, 1589, 1779, 1982, 2106, 2171, 2330, 2861, 2865, 2950
- Graphitization, 301, 468, 480, 488, 522, 682, 814, 1016, 1986, 2333, 3064, 3120, 3348
- Grinding, 428, 578, 812, 983, 1048
- Heat of adsorption, 1873, 2413, 2652
- Heat treatment, 128, 646, 1158, 1303, 1316, 1535, 1848, 1851, 2059, 2096, 2534, 2543, 2625, 2681, 3285
- High pressure, 243, 808, 913, 928, 2015, 2027
- Highly oriented graphite, 1942, 2069, 2202, 2338, 3064
- Hydrothermal treatment, 501, 3277
- Image analysis, 578, 2856
- Immersion enthalpy, 3130
- Impregnation, 128, 195, 907, 1476, 1682, 2059, 2080, 2347, 2404, 2793, 2990, 2998, 3145
- Infrared spectroscopy, 546, 1151, 1203, 1420, 2549, 2770, 2957, 3342
- Intercalation, 176, 664, 1438, 2523, 2635, 3134
- Intercalation compounds, 259, 730, 2508, 2543
- Intercalation reactions, 1313, 3142
- Interfacial properties, 537, 692, 699, 1429, 1740, 2437, 2708
- Laser irradiation, 113, 522, 840, 1393, 1725, 3049, 3168, 3356
- Layer-by-layer, 276
- Luminescence, 107, 873, 2752
- Magnetic properties, 211, 259, 423, 496, 565, 820, 1180, 1225, 1746, 1906, 1954, 2089, 2316, 2330, 2565, 2593, 2865, 2943, 3064, 3213, 3277
- Mass spectroscopy, 243, 840, 1455, 1584, 1673
- Mechanical properties, 1, 37, 121, 167, 176, 383, 671, 833, 1005, 1496, 1525, 1535, 1544, 1548, 1598, 1624, 1740, 1821, 1826, 1898, 1994, 2027, 2354, 2608, 2617, 2701, 2739, 2793, 2833, 2877, 3043, 3207, 3315, 3352
- Mesophase, 284, 293, 301, 854, 1673
- Mesophase pitch, 1298, 1560, 2224, 3370
- Metallofullerenes, 475
- Microporosity, 590, 638, 646, 954, 1121, 1258, 1592, 2051, 2281, 2422
- Microstructure, 37, 187, 284, 348, 480, 488, 578, 599, 646, 664, 687, 742, 753, 801, 854, 900, 954, 1005, 1016, 1121, 1130, 1210, 1267, 1303, 1310, 1339, 1572, 1581, 1690, 1706, 1773, 1851, 1913, 1930, 2212, 2224, 2254, 2273, 2289, 2341, 2430, 2558, 2602, 2701, 2764, 2849, 2904, 2950, 3049, 3073, 3078, 3149, 3226, 3239, 3255, 3308
- Mixing, 1, 692, 747
- Modeling, 46, 167, 447, 508, 653, 939, 962, 1393, 1565, 1682, 1873, 2002, 2413, 2445, 2652, 2883, 3368
- Molecular sieves, 1158, 2957, 2964
- Molecular simulation, 27, 141, 360, 397, 456, 638, 1484, 2281, 2445, 2608, 2652, 2925
- Mössbauer spectroscopy, 1762
- Natural graphite, 203, 578
- Neutron scattering, 2724
- Non-graphitic carbon, 158, 653, 2904
- Nuclear magnetic resonance, 1173, 2543, 2578, 2957
- Optical microscopy, 284, 699, 792, 799, 854, 1079, 1180, 1535, 1565, 1613, 1833
- Optical properties, 113, 873, 1565, 1974, 2246, 2323, 3199
- Oxidation, 46, 141, 307, 348, 546, 587, 602, 888, 1142, 1313, 1673, 1866, 2069, 2122, 2354, 2384, 2516, 2919, 3102, 3269, 3361
- Particle size, 954, 1166, 1604, 1853, 2009, 2859, 2984
- Petroleum pitch, 243, 441, 1535
- Phase equilibria, 79
- Phase transitions, 267, 1503, 1725, 3037, 3136
- Phonons, 873
- Photoconductivity, 113, 880
- Plasma deposition, 10, 225, 1280, 1826, 2196, 2758, 2797, 3030
- Plasma reactions, 1210, 1586, 2593, 3336
- Plasma sputtering, 1503, 2602
- Polymers, 768
- Porosity, 84, 578, 593, 605, 675, 989, 1349, 1448, 1455, 1464, 1535, 1801, 2039, 2301, 2345, 2430, 2469, 2479, 2498, 2569, 3218, 3348
- Porous carbon, 184, 216, 389, 468, 530, 590, 593, 801, 900, 1173, 1330, 1336, 1349, 1386, 1535, 1548, 1602, 1713, 2051, 2080, 2122, 2360, 2392, 2399, 2445, 2469, 2479, 2489, 2534, 2764, 2869, 2957, 3121, 3126, 3263, 3368, 3371
- Pyrolysis, 61, 216, 267, 334, 360, 734, 1151, 1448, 1476, 1601, 1653, 1790, 1994, 2289, 2602, 2764, 2869, 2943, 2957, 3073, 3120, 3213, 3368
- Pyrolytic carbon, 463, 699, 1330, 1565, 1790, 1833, 2602, 2869, 3091, 3213
- Radiation damage, 618
- Raman spectroscopy, 10, 99, 176, 348, 374, 516, 570, 587, 609, 724, 799, 948, 1151, 1287, 1292, 1420, 1491, 1518, 1589, 1706, 1725, 1740, 1808, 1833, 1853, 1958, 1969, 1982, 2002, 2027, 2093, 2139, 2191, 2202, 2236, 2261, 2316, 2333, 2694, 2758, 2770, 2984, 3005, 3037, 3113, 3123, 3161, 3168, 3177, 3239
- Reaction kinetics, 907, 1790, 2399, 3102
- Reactivity, 141, 928, 1048, 1142, 1891, 2147, 3134, 3320
- Resins, 1, 596, 710, 1189, 2833
- Rheology, 778, 1898, 2224
- Scanning electron microscopy, 1, 165, 179, 187, 190, 374, 381, 587, 593, 599, 613, 664, 792, 808, 974, 1070, 1158, 1198, 1292, 1316, 1330, 1334, 1530, 1535, 1589, 1604, 1661, 1718, 1730, 1746, 1821, 1848, 1913, 1930, 2045, 2142, 2191, 2219, 2236, 2254, 2338, 2350, 2558, 2602, 2701, 2785, 2804, 2861, 2877, 3199, 3207, 3226, 3285, 3356, 3371
- Scanning tunneling microscopy, 1695, 2069, 2469
- Shungite, 954
- Sintering, 293, 301, 3136
- Small angle X-ray scattering, 1121, 1267, 2437, 2489
- Soot, 307, 546, 1267, 1653, 2904
- Specific heat, 480, 488
- Spectrophotometry, 387, 522, 1203, 1595
- Sputtering, 969, 1210, 1949, 3123
- Stabilization, 682, 1298, 1491, 1613, 2261
- Surface areas, 753, 2039, 2301, 2360, 3263, 3302
- Surface oxygen complexes, 173, 605, 1313, 1665, 2399, 2463, 2498, 2642, 2681, 3053, 3102
- Surface properties, 84, 128, 152, 231, 325, 587, 1258, 1336, 1346, 1476, 1848, 2059, 2102, 2308, 2816, 2990, 2998, 3005, 3116, 3226, 3232, 3342, 3356
- Surface treatment, 165, 381, 389, 762, 768, 1301, 1544, 1862, 1898, 1936, 1942, 2142, 2308, 2437, 2625, 3116, 3130, 3161, 3232, 3356, 3373
- Synthetic graphite, 1544
- Temperature programmed desorption, 141, 407, 546, 974, 1665, 2392, 2452, 2642, 2931, 2990
- Texture, 629, 675, 1173, 1942, 2059, 2534, 2590, 3091, 3120, 3255
- Thermal analysis, 293, 516, 833, 1151, 1327, 1476, 2080, 2196, 2347, 2708, 3293
- Thermal conductivity, 435, 480, 488, 618, 710, 833, 1298, 1560, 2191, 3022
- Thermal diffusivity, 618
- Thermal expansion, 121, 1250
- Thermodynamic analysis, 983, 2032
- Thermodynamic properties, 243, 747
- Transmission electron microscopy, 158, 165, 190, 381, 428, 699, 812, 818, 820, 894, 974, 1070, 1130, 1210, 1225, 1301, 1321, 1404, 1476, 1491, 1572, 1581, 1586, 1604, 1613, 1661, 1699, 1773, 1779, 1845, 1853, 1859, 1969, 2015, 2045, 2091, 2096, 2171, 2184, 2236, 2261, 2308, 2330, 2384, 2558, 2593, 2631, 2708, 2752, 2856, 2943, 2950, 3121, 3139, 3177, 3277, 3285, 3293, 3328
- Transport properties, 334, 1682, 2051, 2080, 2130, 2155
- Ultrasonic measurements, 1801
- Vapor grown carbon, 1949, 2254, 3183
- X-ray diffraction, 203, 216, 259, 267, 301, 334, 682, 730, 792, 1016, 1198, 1307, 1503, 1661, 1746, 1808, 1969, 2316, 2333, 2508, 2558, 2635, 2764, 2865, 2943, 3064, 3078, 3134, 3195, 3213, 3239, 3263, 3364
- X-ray photoelectron spectroscopy, 107, 141, 325, 407, 496, 613, 866, 1203, 1324, 1438, 1518, 1848, 1891, 2452, 2549, 2896, 2998, 3014, 3139, 3358
- X-ray scattering, 1313, 2904